Belden

BROADBAND

Coaxial Cables

for Broadband Communication Networks

European Edition

Belden

BROADBAND

Dependable Solutions in Cabling

Better by design

Our strategic objective is to provide our customers with superior solutions for their present and future wire and cable needs. Accordingly, every solution we devise is based on performance, innovation and reliability – the three cornerstones of Belden's business strategy. The success of this commitment to deliver dependable solutions can be gauged by the many world-famous companies that use our products.

Some of our customers see the superior performance of our products in their industry-leading standards, which include VDE, KEMA, ÖVE, UL, CSA and HAR product approvals. Others point to the international specifications and standards, ranging from EN50117, RS-485 and IEC332-3C to TIA/EIA, ISO/IEC 11801, and many more besides. Our products are often called 'future-proof', meaning that the specifications exceed international requirements, with the aim of extending the product's useful life and reducing the replacement rate.

Over the years, Belden has become an international byword for premium quality and reliability, an accolade for excellence earned through decades of dedication to meeting the highest industry standards. Reducing system cost and maintenance are direct, long-term benefits of the ultra long life expectancy of Belden products. It's why our cables are used in some of the largest metropolitan communication networks in the world, like Amsterdam, Vienna and other European cities. And why many industrial installations with 24-hour continuous operation rely on the proven high quality of Belden cables.

Belden's commitment to innovation has historically fuelled new growth for industry players. It has also earned Belden global innovation leadership that is constantly driven by the Belden Engineering Centres. For instance with Duobond®, Flamarrest®, French Braid™ and MediaTwist®. Another yardstick for measuring the success of our novel products are the many patents we hold. But the ultimate criterion is the fitness for use of the products we supply to our customers.

A long history of innovation

For the past 100 years, Belden has been an acknowledged front-runner in the wire and cable industry, developing novel technologies and processes for the manufacture of innovative wire and cable products. Products that keep our customers at the forefront of new developments in their chosen field.

Starting in 1902, when the company was founded in Chicago, Belden has consistently pioneered breakthrough technologies and set new industry standards. This trend was set with early successes like Beldenamel insulation (1905) and the introduction of the soft rubber plug in 1927. Ever since, Belden has been an industry innovator, conceiving and developing special applications in cabling, shielding and jacketing. All focused on customer needs. All clearly establishing Belden's leadership in wire and cable technology.

Global player

The company's successful growth strategy in the 1990s led in 1999 to the purchase of Cable Systems International, the largest specialty telecom cable facility in the world. Other capabilities were created by acquisitions in Hungary, United Kingdom, the USA and the Netherlands, where Belden has its European headquarters and a large R&D Centre and manufacturing facility. Apart from Europe and the US, Belden's world-wide presence includes marketing and sales organizations in Asia Pacific, Latin America and the Middle East.

Today, Belden is a global player in the wire and cable industry, designing, manufacturing and marketing specialty cable, such as copper, and optical fibre cable for electrical, electronic and communications equipment. Reliable products that help Belden's customers keep pace with the shifting dynamics of these fast-moving markets.

Fitness for use

Belden's fitness for use philosophy goes beyond the familiar 'design for operability' and 'customer-centric' concepts and provides a strategic approach to customer support. Besides taking into consideration the hands-on needs of the installers and users of our products, Belden's dynamic approach addresses concerns that have traditionally been viewed as falling outside the scope of customer service and support.

High value

Belden's fitness for use approach embraces elements of early supplier involvement, co-makership and concurrent engineering. Yet it is more than that. At Belden, fitness for use puts all the customer's interests first. It spans the development track, from concept to product development and production. And every step of the way, it focuses on the financial aspects of production, to incorporate cost-reducing measures for the hands-on users of our products.

Fitness for use provides our customers with the ideal product for their individual processes and applications. Custom-made products or standard Belden products with customized adjustments. Optimal products at reasonable cost. Products that have high value for the customer.

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European manufacturing operations

As Belden's global business plans call for a commitment to local markets world-wide and a thorough understanding of local dynamics, Belden has established a very significant presence in core European markets. This ensures that appropriate solutions can always be found to meet the cable and wire needs of our European customers.

Belden has the largest range of cable products in all the markets we serve. Dedicated products matched to local needs. These include over 10.000 products for computer networking and computer equipment; for telecommunications and industrial instrumentation and control; for broadcasting and entertainment; and for cable television and electrical equipment, mainly based on copper conductors or optical fibres.

'Think global, act local'

With European sales accounting for almost a quarter of Belden's world-wide turnover of US$ 1.1 billion, Belden has clearly demonstrated the success of its 'Think global, act local' approach. And with its 1000-strong workforce across the length and breadth of Europe – and sales offices from Moscow to Lyon and from Stockholm to Dubai – Belden has a unique *local* capability to understand customers' problems. And provide the answer.

Belden's European headquarters and manufacturing base is in the Netherlands, where the company also has its European Engineering Centre. From here, Belden has easy access to Europe's top grade raw materials and is able to attract and retain highly trained personnel for its multinational workforce. From here, too, Belden's specialists offer tailor-made support to our rapidly growing European customer base. Specialists committed to providing optimal technical solutions, with additional expertise that helps our customers control their manufacturing processes better and uniquely simplify their cable installation work.

Detailed brochures

Full-colour brochures are available on the extensive range of Belden products:

> Digital telephony cables
> Shielded and non-shielded LAN cables
> Multi-conductor cables
> Optical fibre cables
> Audio/video cables
> Coaxial broadband cables
> Electrical cables

To request detailed brochures and datasheets on our product lines and the extensive Belden Master Catalog, please contact your local Belden representative or send an e-mail to sales.info@belden-europe.com

USA

United Kingdom

The Netherlands

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Technical Information

Physical foam coaxial product

Existing coaxial cables consist of a chemically foamed dielectric, which is highly susceptible to moisture. Belden stiffs to produce cables with optimal dielectric qualities. During the extrusion process the dielectric material (polyethylene) is mixed with inert nitrogen gas using advanced production techniques. This result in a physical foamed dielectric that meets the most serve international quality standards.

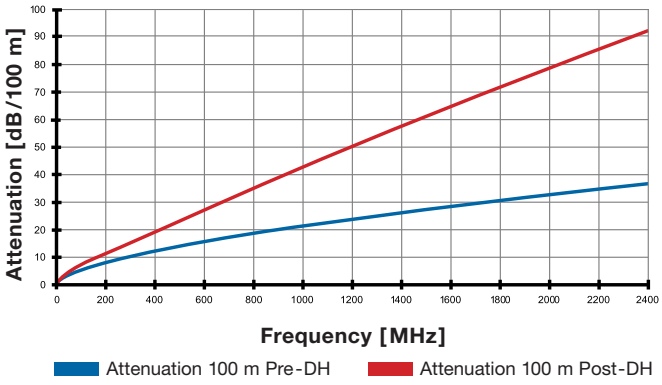
The most important advantages of the physically foamed dielectric are:

> Unsusceptible to moisture
> Watertight
> Mechanically robust
> Stable attenuation up to at least 3 GHz
> Thinner, more flexible and easier to install cables.

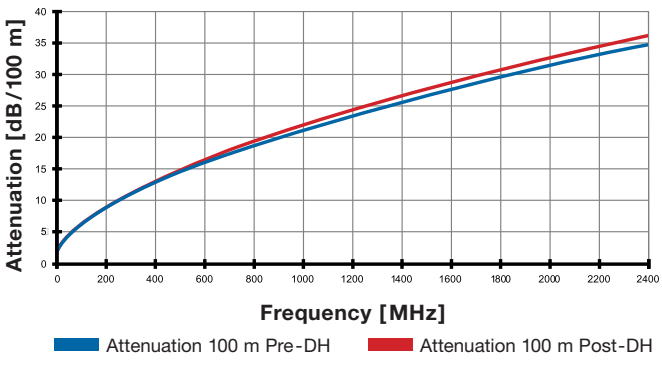
A damp heat test is defined in the IEC standard 68-2 part 3. The results reproduce the influence of moisture. After the damp heat test the attenuation must not have increased by more than 5% in respect to the pre-test value. The two graphics show the results of this test for the Belden physically and chemical foamed cables.

Physical versus chemical

Coaxial cable with chemical foam



Coaxial cable with physical foam



Halogen-free

Our halogen-free coaxial cables satisfy the requirements of the most important international standards:

Material: HD 624
Flammability: IEC 60332-1, -2 or 3C
Corrosivity: HD 602

In comparison to products containing halogens, this offers considerable advantages: Less impairment to vision, minimal poisonous gases, no release of highly caustic acids, more safety for man, nature and materials.

Belden cable shield options

Duofoil

This shield type consists of an inner layer of Duofoil, which is a laminated tape of foil/film/foil, and an outer braid with one of various different coverages.

Duobond® II (DB II)

This shield type includes an inner layer of Duobond® II, which is a laminated tape of foil/film/foil, bonded to the dielectric with a layer of adhesive. This foil shield provides 100% coverage and insures maximum shield protection. Bonded tape eliminates foil push-back, makes cable termination easier and keeps moisture and dirt away from the insulation if the jacket should ever be ruptured. Bonded foil is a Belden innovation. In addition to the foil tape, an outer braid with one of various different coverages is applied for greater protection against interference and to increase the overall tensile strength.

Duobond® III (Tri-shield)

This shielding configuration uses the Duobond® II design plus a surrounding layer of Duofoil. Duofoil is a laminated tape of foil/film/foil. The extra layer of foil in this Tri-shield improves shield reliability and provides an additional interference barrier.

Duobond Plus® (DB+)

Duobond Plus® consists of a Duobond® II foil tape surrounded by a braid plus an outer layer of foil featuring a unique shorting fold which creates the effect of a solid metal conduit.
This shorting fold provides a metal-to-metal contact, which improves the high frequency performance of the cable.
This fold prevents a slot opening from being created in the shield, thereby preventing signal egress or ingress. In addition, the outer foil is bonded to the jacket, making stripping and connectorising easier. Duobond Plus® is a Belden innovation.

Duobond® IV (Quad shield)

Duobond® IV adds a second outer layer of braid to the foil/braid/foil (Tri-shield) design, providing a four-layered shield. Duobond® IV's extra layer of braid shield provides improved strength and durability.

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Belden Quality

Uncompromising quality

Belden is committed to sustaining an uncompromising performance in everything it does. From concept and design through manufacture and delivery of the high-quality products our customers need. Products stamped with the Belden hallmark of reliability and durability.

Belden uses statistical process control methods, not only to maintain the required specifications but also to continually improve its products. All Belden products are comprehensively tested before being shipped to the customer, and guaranteed to provide years of faultless performance.

Sustained customer benefits like these call for an uncompromising approach to quality. A commitment to quality which is documented by our approvals and certifications. These include ISO 9001 certification of all Belden development plants and manufacturing facilities – international accreditation, in fact, of all the company's quality processes.

Prevention of fire hazard

Belden's concept of fire safety goes far beyond what is required by international norms. As a result, our products provide superior performance under the most hostile conditions. One innovation to emerge from Belden's concern with product safety is Flamarrest®, a low-smoke, flame retardant jacketing with outstanding fire shielding capabilities.
A recent Pan-European study shows that all Belden products comply with the stringent flammability standards in force in all Member States of the European Union – including those of major metropolitan public transport systems and airports, where fire protection standards are among the highest in the world.

ISO 14001 EMS – Environmental Management System

Addressing environmental issues correctly is recognized as a high priority, particularly in the industrialized world and not least at Belden. Accordingly, the company makes every effort to minimize the environmental impact of its operations and products.

Recognizing ecological concerns shared by customers and consumers world-wide, from 1999-2001 a working group at Belden's European headquarters in Venlo completed comprehensive preparations for ISO 14001 EMS certification. This environmental management and audit system was implemented and certified in 2001. The progress achieved in the practical implementation of Belden's environmental objectives will be published each year. This will include the measures taken by the company to minimize the environmental impact of Belden's operations, also in respect of (energy) savings in production and novel materials and processes.

Belden product portfolio

All Belden CATV coaxial cables comply with the European standard and international quality and safety standards. The products are designed according the international standard IEC 1196 for Radio Frequency Cables and the European standard EN50117.

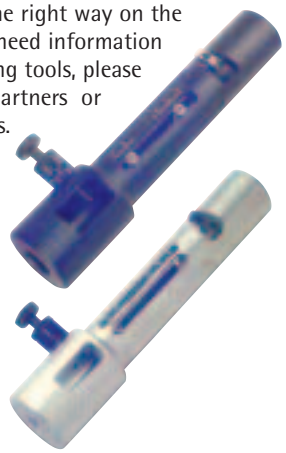
If you do not find the product you need in this brochure, we offer the option of special (custom made) cable. Here you can choose between different constructions, jacket colours or other materials ect.

Connectors

For all our products you'll find connectors from the world's leading manufacturers. If you need information about the connector manufacturers, please contact our partners or Belden offices.

Stripping tools

For proper installation of a broadband communication network it is necessary to use the right tools for connectorization. There are stripping tools and connectorization tools on the market which give you the guarantee that the connectors are installed in the right way on the cable. If you need information about stripping tools, please contact our partners or Belden offices.



Cable Finder

BROADBAND

50 OHM

Diameter conductor	Overall diameter sheath	Material jacket	Material dielectric	Type of foil	Braid coverage	DC loop resistance	Attenuation at 100 MHz	Product description	Belden part number	Remarks	Page
mm	mm				%	Ohm / km	db / 100 m				
0.91	4.95	PVC	Gas injected PE		93	51.00	15.10	RG58	MRG5800		21
0.91	4.95	PVC	Gas injected PE		93	51.00	15.10	RG58	MRG5802	twin	21
1.41	5.40	PE	Gas injected PE	AL-PET-AL	80	32.00	9.30	H155	H155A01		21
1.41	5.40	PVC	Gas injected PE	AL-PET-AL	80	32.00	9.30	H155	H155A00		21
2.50	9.80	PE	Gas injected PE	Cu	50	14.20	4.10	H500	H500C00		20
2.25	10.30	PVC	Solid PE		25	56.30	10.40	RACO 25	MRG2131	radiating	21
2.25	10.30	PVC	Solid PE		92	11.50	6.60	RG213	MRG2130		20
2.62	10.30	PVC	Gas injected PE		25	38.50	6.30	H1000R	H1000C2	radiating	21
2.62	10.30	PE	Gas injected PE	CuPET	85	8.00	4.00	H1000B	H1000C3		20
2.62	10.30	PVC	Gas injected PE	Cu	49	12.30	4.00	H1000	H1000C0		20
2.62	10.30	PE	Gas injected PE	Cu	49	12.30	4.00	H1000	H1000C1		20
2.70	10.30	PE	Gas injected PE	CuPET	49	16.50	4.70	H1001	H1001C1		20

75 OHM

Diameter conductor	Overall diameter sheath	Material jacket	Material dielectric	Type of foil	Braid coverage	DC loop resistance	Attenuation at 100 MHz	Product description	Belden part number	Remarks	Page
mm	mm				%	Ohm / km	db / 100 m				
0.58	6.00	PVC	Solid PE		92 / 92	93.50	11.60	H106	H106T00		19
0.58	6.00	LSNH	Solid PE		92 / 92	93.50	11.60	H106	H106T01		19
0.58	6.15	PVC	Solid PE		95	173.00	11.60	RG59	MRG5900		19
0.60	4.15	PVC	Gas injected PE		52	132.00	14.20	H110	H110B00		19
0.60	5.60	PVC	Solid PE		91	92.50	12.40	H12	H12B00		19
0.65	4.15	PVC	Gas injected PE	AL-PET-AL	45	92.00	10.00	H123	H123A00		16
0.65	4.30	LSNH	Gas injected PE	AL-PET-AL	90	72.00	10.00	H123B	H123A02		16
0.65	4.30	PVC	Gas injected PE	AL-PET-AL	90	72.00	10.00	H123B	H123A01		16
0.70	7.20	PVC	Solid PE		93 / 92	56.00	9.50	H105	H105B00		19
0.71	6.80	PVC	Solid PE	Cu	60	61.00	8.20	COAX 12	CX12C00		16
0.71	7.10	PE	Solid PE	Cu	60	61.00	8.20	COAX 12	CX12C01		16
0.71	7.10	PE	Solid PE	Cu	60	61.00	8.20	COAX 12	CX12C02	messenger	16
0.72	6.80	PVC	Solid PE	AL-PET-AL	35	237.00	8.20	H114A	H114A00		16
0.72	6.80	PVC	Solid PE	AL-PET-AL	65	228.00	8.20	H114B	H114A01		16
0.80	5.00	LSNH	Gas injected PE	AL-PET-AL	75	55.00	7.90	H121B	H121A04		15
0.80	5.00	PE	Gas injected PE	AL-PET-AL	45	75.00	7.90	H121	H121A01		15
0.80	5.00	PVC	Gas injected PE	AL-PET-AL	75	55.00	7.90	H121B	H121A03		15
0.80	5.00	PVC	Gas injected PE	Cu	45	59.00	7.60	H121	H121C00		15
0.80	5.00	PVC	Gas injected PE	AL-PET-AL	45	75.00	7.90	H121	H121A02	twin	15
0.80	5.00	PVC	Gas injected PE	AL-PET-AL	45	75.00	7.90	H121	H121A00		15
0.80	5.60	PVC	Gas injected PE		91	65.00	10.70	H12A	H12B01		19
1.00	5.90	PVC	Gas injected PE	AL-PET-AL	40	58.00	6.40	H124	H124A00		15
1.00	6.65	LSNH	5 Cell PE	Cu	55	41.00	6.00	H109	H109C02		14
1.00	6.33	PVC	5 Cell PE	AL-PET-AL	65	47.00	6.20	H109B	H109A00		14
1.00	6.33	PVC	5 Cell PE	AL-PET-AL	40	50.00	6.20	H109	H109A01		14
1.00	6.65	PVC	5 Cell PE	Cu	55	41.00	6.00	H109	H109C00		14
1.00	6.80	LSNH	Gas injected PE	Cu	40	41.00	6.00	H125	H125C04		14
1.00	6.80	LSNH	Gas injected PE	AL-PET-AL	70	41.00	6.20	H125 CH	H125A07		13
1.00	6.80	LSNH	Gas injected PE	AL-PET-AL	40	50.00	6.20	H125	H125A03		13
1.00	6.80	PE	Gas injected PE	Cu	40	41.00	6.00	H125	H125C01		14

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Cable Finder

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75 OHM

Diameter conductor	Overall diameter sheath	Material jacket	Material dielectric	Type of foil	Braid coverage	DC loop resistance	Attenuation at 100 MHz	Product description	Belden part number	Remarks	Page
mm	mm				%	Ohm / km	db / 100 m				
1.00	6.80	PE	Gas injected PE	AL-PET-AL	70	41.00	6.20	H125 CH	H125A08		13
1.00	6.80	PE	Gas injected PE	AL-PET-AL	40	50.00	6.20	H125	H125A01		13
1.00	6.80	PE	Gas injected PE	Cu	40	41.00	6.00	H125	H125A02	messenger	14
1.00	6.80	PVC	Gas injected PE	Cu	40	41.00	6.00	H125	H125C03	twin	14
1.00	6.80	PVC	Gas injected PE	Cu	40	41.00	6.00	H125	H125C02	pair	17
1.00	6.80	PVC	Gas injected PE	AL-PET-AL	40	50.00	6.20	H125	H125A05	pair	17
1.00	6.90	PE	Gas injected PE	AL-PET-AL DB+	50	37.00	6.20	H125 DB+	H125D00		13
1.00	6.80	PVC	Gas injected PE	AL-PET-AL	70	41.00	6.20	H125 CH	H125A06		13
1.00	6.80	PVC	Gas injected PE	AL-PET-AL	40	50.00	6.20	H125	H125A00		13
1.00	6.80	PVC	Gas injected PE	AL-PET-AL	40	50.00	6.20	H125	H125A04	twin	13
1.00	6.80	PVC	Gas injected PE	Cu	40	41.00	6.00	H125	H125C00		14
1.00	6.90	LSNH	Gas injected PE	AL-PET-AL DB+	50	37.00	6.40	H126 DB+	H126D03	RG6 type	12
1.00	6.90	PE	Gas injected PE	AL-PET-AL DB+	50	37.00	6.40	H126 DB+	H126D04	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL DB+	50	37.00	6.40	H126 DB+	H126D01	RG6 type + pairs	17
1.00	6.90	PVC	Gas injected PE	AL-PET-AL DB+	50	37.00	6.40	H126 DB+	H126D02	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL DB+	40	39.00	6.40	H126 DB+	H126D00	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL	50	45.00	6.40	H126	H126A01	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL bonded	50	45.00	6.40	H126	H126A02	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL bonded	70	40.00	6.40	H126	H126A03	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL	40	49.00	6.40	H126	H126A00	RG6 type	12
1.00	6.90	PVC	Gas injected PE	AL-PET-AL	40	81.00	6.40	RG6	RG6A00		11
1.00	6.90	PVC	Gas injected PE	AL-PET-AL DB+	50	69.00	6.40	RG6 DB+	RG6D01		11
1.00	6.90	PVC	Gas injected PE	AL-PET-AL DB+	40	71.00	6.40	RG6 DB+	RG6D00		11
1.20	7.10	PE	Gas injected PE	Cu	40	34.50	5.10	PRG7	PRG7C02	pair	17
1.20	7.10	PVC	Gas injected PE	AL-PET-AL	40	39.60	5.30	PRG7	PRG7A00		11
1.20	7.10	PE	Gas injected PE	Cu	40	34.50	5.10	PRG7	PRG7C01		11
1.20	7.10	PE	Gas injected PE	Cu	40	34.50	5.10	PRG7	PRG7A01	messenger	11
1.20	7.10	PVC	Gas injected PE	Cu	40	34.50	5.10	PRG7	PRG7C00		11
1.25	8.10	HDPE	Gas injected PE	Cu	50	26.50	4.90	RG7	RG7C02		11
1.25	8.10	PE	Gas injected PE	Cu	50	26.50	4.90	RG7	RG7C01		11
1.25	8.10	PVC	Gas injected PE	Cu	50	26.50	4.90	RG7	RG7C00		11
1.55	10.10	LSNH	Gas injected PE	Cu-PET	50	20.00	3.90	PRG11	PRG11C3		9
1.55	10.10	PE	Gas injected PE	Cu-PET	50	20.00	3.90	PRG11	PRG11C5		9
1.55	10.10	PE	Gas injected PE	AL-PET-AL	50	22.20	4.10	PRG11	PRG11A3		10
1.55	10.10	PE	Gas injected PE	Cu	50	20.00	3.90	PRG11	PRG11C6	messenger	9
1.55	10.10	PE	Gas injected PE	Cu	50	20.00	3.90	PRG11	PRG11C7	pair	17
1.55	10.10	PE	Gas injected PE	AL-PET-AL DB+	50	18.90	4.10	PRG11	PRG11D3		10
1.55	10.10	PVC	Gas injected PE	Cu-PET	50	20.00	3.90	PRG11	PRG11C4		9
1.55	10.10	PVC	Gas injected PE	AL-PET-AL	50	22.20	4.10	PRG11	PRG11A2		10
1.55	10.10	PVC	Gas injected PE	AL-PET-AL DB+	50	18.90	4.10	PRG11	PRG11D0		10
1.61	10.10	LSNH	Gas injected PE	AL-PET-AL	60	19.30	3.90	PRG11A	PRG11A1		10
1.61	10.10	PVC	Gas injected PE	AL-PET-AL	60	19.30	3.90	PRG11A	PRG11A0		10
1.61	11.30	PE	Gas injected PE	Cu	70	15.00	3.70	COAX 6	CX6C0		9
1.61	11.30	HDPE	Gas injected PE	Cu	70	15.00	3.70	COAX 6	CX6C1		9
2.23	13.80	HDPE	Gas injected PE	Cu	60	9.00	2.80	COAX 4	CX4C4		8
2.23	13.80	PE	Gas injected PE	Cu	60	9.00	2.80	COAX 4	CX4C3	messenger	8
2.23	13.80	PE	Gas injected PE	Cu	60	9.00	2.80	COAX 4	CX4C0		8
2.23	13.80	PE	Gas injected PE	Cu		9.00	2.80	COAX 4	CX4C1		8
2.23	13.80	LSNH	Gas injected PE	Cu	60	9.00	2.80	COAX 4	CX4C2		8
3.38	18.00	PE	Gas injected PE	Cu		4.50	1.80	COAX 3	CX3C1		7
3.38	21.60	HDPE	Gas injected PE	Cu	60	4.50	1.80	COAX 3	CX3C5		7
3.38	19.80	LSNH	Gas injected PE	Cu	60	4.50	1.80	COAX 3	CX3C2		7
3.38	19.80	PE	Gas injected PE	Cu	60	4.50	1.80	COAX 3	CX3C0		7
3.38	19.80	PE	Gas injected PE	Cu	60	4.50	1.80	COAX 3	CX3C3	messenger	7

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Coaxial Trunk Cables

BROADBAND

			COAX 3				
Product description			**FB21 HDPE**	**FB20 PE**	**FB20 LSNH**	**FB20 PE messenger**	**F18 PE**
Electrical performance							
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	53 ± 3	53 ± 3	53 ± 3	53 ± 3	53 ± 3
Velocity ratio		%	78.0	84.0	84.0	84.0	84.0
DC resistance	Loop	Ohm / km	4.5	4.5	4.5	4.5	4.5
	Inner conductor	Ohm / km	1.9	1.9	1.9	1.9	1.9
Max. current	Ieff.	A	30	30	30	30	30
Attenuation at	5 MHz	dB / 100 m	0.4	0.4	0.4	0.4	0.4
	10 MHz	dB / 100 m	0.6	0.6	0.6	0.6	0.6
	50 MHz	dB / 100 m	1.3	1.3	1.3	1.3	1.3
	100 MHz	dB / 100 m	1.8	1.8	1.8	1.8	1.8
	200 MHz	dB / 100 m	2.6	2.6	2.6	2.6	2.6
	230 MHz	dB / 100 m	2.9	2.9	2.9	2.9	2.9
	300 MHz	dB / 100 m	3.3	3.3	3.3	3.3	3.3
	400 MHz	dB / 100 m	3.9	3.9	3.9	3.9	3.9
	600 MHz	dB / 100 m	4.8	4.8	4.8	4.8	4.8
	800 MHz	dB / 100 m	5.7	5.7	5.7	5.7	5.7
	860 MHz	dB / 100 m	5.9	5.9	5.9	5.9	5.9
	1000 MHz	dB / 100 m	6.5	6.5	6.5	6.5	6.5
	1350 MHz	dB / 100 m	7.7	7.7	7.7	7.7	7.7
	1750 MHz	dB / 100 m	9.0	9.0	9.0	9.0	9.0
	2150 MHz	dB / 100 m	10.2	10.2	10.2	10.2	10.2
	2400 MHz	dB / 100 m	10.9	10.9	10.9	10.9	10.9
Return loss at	5 – 470 MHz	dB	> 26	> 26	> 26	> 26	> 26
	470 – 862 MHz	dB	> 22	> 22	> 22	> 22	> 22
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 100	> 100	> 100	> 100	> 100
Construction and dimensions							
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	3.38	3.38	3.38	3.38	3.38
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	16.5 ± 0.2	14.9 ± 0.2	14.9 ± 0.2	14.9 ± 0.2	14.9 ± 0.2
Type of foil			Cu	Cu	Cu	Cu	Cu
Overlap foil		mm	5	5	5	5	5
Braiding material			Bare copper	Bare copper	Bare copper	Bare copper	
Braid coverage		%	60	60	60	60	
Diameter outer conductor		mm	17.6 ± 0.3	15.8 ± 0.3	15.8 ± 0.3	15.8 ± 0.3	15.3 ± 0.3
Sheath material			HDPE	PE	LSNH	PE	PE
Diameter sheath		mm	21.6 ± 0.3	19.8 ± 0.3	19.8 ± 0.3	19.8 ± 0.3	18.0 ± 0.3
Catenary wire						Zinc plated steel wires	
Diameter catenary wire		mm				7.2 ± 0.3	
Diameter width coax + catenary		mm				30 ± 0.4	
Min. setting radius		mm	220	200	200	200	180
Max. tensile strength		N	2000	1200	1200	6000	1200
Belden part number			**CX3C5**	**CX3C0**	**CX3C2**	**CX3C3**	**CX3C1**
Colour			BLACK	BLACK GREEN	GREY	BLACK	BLACK GREEN
Put-up code			043	043 / 293	043	043	043 / 293
Length / reel		meter	700	700 / 1050	700	700	700 / 1050
Total weight		kg / km	388	312	400	404	267

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Coaxial Trunk Cables

BROADBAND

Product description			COAX 4 FB14 PE	FB14 HDPE	FB14 LSNH	FB14 PE messenger	F14 PE
							
Electrical performance							
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	54 ± 3	54 ± 3	54 ± 3	54 ± 3	54 ± 3
Velocity ratio		%	82.0	82.0	82.0	82.0	82.0
DC resistance	Loop	Ohm / km	9	9	9	9	9
	Inner conductor	Ohm / km	4.5	4.5	4.5	4.5	4.5
Max. current	Ieff.	A	18	18	18	18	18
Attenuation at	5 MHz	dB / 100 m	0.6	0.6	0.6	0.6	0.6
	10 MHz	dB / 100 m	0.9	0.9	0.9	0.9	0.9
	50 MHz	dB / 100 m	1.9	1.9	1.9	1.9	1.9
	100 MHz	dB / 100 m	2.8	2.8	2.8	2.8	2.8
	200 MHz	dB / 100 m	4.0	4.0	4.0	4.0	4.0
	230 MHz	dB / 100 m	4.4	4.4	4.4	4.4	4.4
	300 MHz	dB / 100 m	5.1	5.1	5.1	5.1	5.1
	400 MHz	dB / 100 m	5.9	5.9	5.9	5.9	5.9
	600 MHz	dB / 100 m	7.4	7.4	7.4	7.4	7.4
	800 MHz	dB / 100 m	8.8	8.8	8.8	8.8	8.8
	860 MHz	dB / 100 m	9.2	9.2	9.2	9.2	9.2
	1000 MHz	dB / 100 m	10.0	10.0	10.0	10.0	10.0
	1350 MHz	dB / 100 m	11.9	11.9	11.9	11.9	11.9
	1750 MHz	dB / 100 m	13.9	13.9	13.9	13.9	13.9
	2150 MHz	dB / 100 m	15.7	15.7	15.7	15.7	15.7
	2400 MHz	dB / 100 m	16.8	16.8	16.8	16.8	16.8
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 100	> 100	> 100	> 100	> 100
Construction and dimensions							
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	2.23	2.23	2.23	2.23	2.23
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	10.2 ± 0.2	10.2 ± 0.2	10.2 ± 0.2	10.2 ± 0.2	10.2 ± 0.2
Type of foil			Cu	Cu	Cu	Cu	Cu
Overlap foil		mm	4	4	4	4	4
Braiding material			Bare copper	Bare copper	Bare copper	Bare copper	
Braid coverage		%	60	60	60	60	
Diameter outer conductor		mm	11.0 ± 0.3	11.0 ± 0.3	11.0 ± 0.3	11.0 ± 0.3	10.6 ± 0.3
Sheath material			PE	HDPE	LSNH	PE	PE
Diameter sheath		mm	13.8 ± 0.3	13.8 ± 0.3	13.8 ± 0.3	13.8 ± 0.3	13.8 ± 0.3
Catenary wire						Zinc plated steel wires	
Diameter catenary wire		mm				5.8 ± 0.3	
Diameter width coax + catenary		mm				21.5 ± 0.4	
Min. setting radius		mm	150	150	150	150	150
Max. tensile strength		N	400	400	400	6000	400
Belden part number			CX4C0	CX4C4	CX4C2	CX4C3	CX4C1
Colour			BLACK GREEN	BLACK	GREEN	BLACK	BLACK GREEN
Put-up code			025 / 042	025	025	042	025 / 042
Length / reel		meter	500 / 1000	500	500	500	500 / 1000
Total weight		kg / km	167	168	192	225	164

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Coaxial Distribution Cables

BROADBAND

Product description			COAX 6		PRG11 CU			
			FB11 PE	FB11 HDPE	PRG11 CU PE	PRG11 CU PVC	PRG11 CU LSNH	PRG11 CU PE messenger
								
Electrical performance								
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	55 ± 2	55 ± 2	55 ± 2	55 ± 2	55 ± 2	55 ± 2
Velocity ratio		%	81.0	81.0	81.0	81.0	81.0	81.0
DC resistance	Loop	Ohm / km	15	15	20	20	20	20
	Inner conductor	Ohm / km	8.7	8.7	9.4	9.4	9.4	9.4
Max. current	$I_{eff.}$	A	15	15	12	12	12	12
Attenuation at	5 MHz	dB / 100 m	0.8	0.8	0.9	0.9	0.9	0.9
	10 MHz	dB / 100 m	1.2	1.2	1.2	1.2	1.2	1.2
	50 MHz	dB / 100 m	2.6	2.6	2.7	2.7	2.7	2.7
	100 MHz	dB / 100 m	3.7	3.7	3.9	3.9	3.9	3.9
	200 MHz	dB / 100 m	5.3	5.3	5.7	5.7	5.7	5.7
	230 MHz	dB / 100 m	5.9	5.9	6.1	6.1	6.1	6.1
	300 MHz	dB / 100 m	6.8	6.8	6.9	7.0	7.0	7.0
	400 MHz	dB / 100 m	7.7	7.7	8.2	8.2	8.2	8.2
	600 MHz	dB / 100 m	9.5	9.5	10.2	10.2	10.2	10.2
	800 MHz	dB / 100 m	11.1	11.1	12.0	12.0	12.0	12.0
	860 MHz	dB / 100 m	11.9	11.9	12.5	12.5	12.5	12.5
	1000 MHz	dB / 100 m	12.6	12.6	13.6	13.6	13.6	13.6
	1350 MHz	dB / 100 m	14.8	14.8	16.1	16.1	16.1	16.1
	1750 MHz	dB / 100 m	17.1	17.1	18.7	18.7	18.7	18.7
	2150 MHz	dB / 100 m	19.0	19.0	21.1	21.1	21.1	20.9
	2400 MHz	dB / 100 m	20.1	20.1	22.5	22.5	22.5	22.5
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 90	> 90	> 85	> 85	> 85	> 85
Construction and dimensions								
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	1.61	1.61	1.55	1.55	1.55	1.55
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	7.55 ± 0.15	7.55 ± 0.15	7.25 ± 0.2	7.25 ± 0.2	7.25 ± 0.2	7.25 ± 0.2
Type of foil			Cu	Cu	Cu-PET	Cu-PET	Cu-PET	Cu
Overlap foil		mm	5	5	2	2	2	2
Braiding material			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Braid coverage		%	70	70	50	50	50	50
Diameter outer conductor		mm	8.2 ± 0.2	8.2 ± 0.2	7.9 ± 0.25	7.9 ± 0.25	7.9 ± 0.25	7.9 ± 0.25
Sheath material			PE	HDPE	PE	PVC	LSNH	PE
Diameter sheath		mm	11.3 ± 0.3	11.3 ± 0.3	10.1 ± 0.3	10.1 ± 0.3	10.1 ± 0.3	10.1 ± 0.3
Catenary wire								Zinc plated steel wires
Diameter catenary wire		mm						4.6 ± 0.2
Diameter width coax + catenary		mm						16.2 ± 0.4
Min. setting radius		mm	120	120	100	100	100	100
Max. tensile strength		N	300	300	225	225	225	4600
Belden part number			CX6C0	CX6C1	PRG11C5	PRG11C4	PRG11C3	PRG11C6
Colour			BLACK GREEN	GREEN	BLACK GREEN	BLACK WHITE	GREY	BLACK
Put-up code			242 / 245	245	240 / 242 025	240 / 242 025	240 / 242	241 / 242 245 / 042
Length / reel		meter	500 / 1000	1000	250 / 500 1000	250 / 500 1000	250 / 500	250 / 330 500 / 1000
Total weight		kg / km	114	119	81	99	117	135

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Coaxial Distribution Cables

BROADBAND

Product description			PRG11 AL				PRG11 DB+	
			PRG11A AL LSNH	PRG11A AL PVC	PRG11 AL PVC	PRG11 AL PE	PRG11 DB+ PVC	PRG11 DB+ PE
								
Electrical performance								
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	55 ± 2	55 ± 2	55 ± 2	55 ± 2	55 ± 2	55 ± 2
Velocity ratio		%	81.0	81.0	81.0	81.0	81.0	81.0
DC resistance	Loop	Ohm / km	19.3	19.3	22.2	22.2	18.9	18.9
	Inner conductor	Ohm / km	8.7	8.7	9.4	9.4	9.4	9.4
Max. current	$I_{eff.}$	A	12	12	10	10	12	12
Attenuation at	5 MHz	dB / 100 m	0.9	0.9	0.9	0.9	0.9	0.9
	10 MHz	dB / 100 m	1.2	1.2	1.3	1.3	1.3	1.3
	50 MHz	dB / 100 m	2.8	2.8	2.9	2.9	2.9	2.9
	100 MHz	dB / 100 m	3.9	3.9	4.1	4.1	4.1	4.1
	200 MHz	dB / 100 m	5.7	5.7	5.9	5.9	5.9	5.9
	230 MHz	dB / 100 m	6.1	6.1	6.3	6.3	6.3	6.3
	300 MHz	dB / 100 m	6.9	6.9	7.3	7.3	7.3	7.3
	400 MHz	dB / 100 m	8.1	8.1	8.6	8.6	8.6	8.6
	600 MHz	dB / 100 m	9.9	9.9	10.7	10.7	10.7	10.7
	800 MHz	dB / 100 m	11.6	11.6	12.5	12.5	12.5	12.5
	860 MHz	dB / 100 m	12.0	12.0	12.9	12.9	12.9	12.9
	1000 MHz	dB / 100 m	13.0	13.0	14.2	14.2	14.2	14.2
	1350 MHz	dB / 100 m	15.0	15.0	16.8	16.8	16.8	16.8
	1750 MHz	dB / 100 m	17.2	17.2	19.5	19.5	19.5	19.5
	2150 MHz	dB / 100 m	19.0	19.0	21.9	21.9	21.9	21.9
	2400 MHz	dB / 100 m	21.5	21.5	23.4	23.4	23.4	23.4
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 85	> 85	> 85	> 85	> 100	> 100
Construction and dimensions								
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	1.61	1.61	1.55	1.55	1.55	1.55
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	7.25 ± 0.2	7.25 ± 0.2	7.25 ± 0.2	7.25 ± 0.2	7.25 ± 0.2	7.25 ± 0.2
Type of foil			AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL DB+	AL-PET-AL DB+
Overlap foil		mm	2	2	2	2	2	2
Braiding material			Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	60	60	50	50	50	50
Diameter outer conductor		mm	7.9 ± 0.25	7.9 ± 0.25	7.9 ± 0.25	7.9 ± 0.25	8.1 ± 0.25	8.1 ± 0.25
Sheath material			LSNH	PVC	PVC	PE	PVC	PE
Diameter sheath		m	10.1 ± 0.3	10.1 ± 0.3	10.1 ± 0.3	10.1 ± 0.3	10.1 ± 0.3	10.1 ± 0.3
Min. setting radius		mm	50	50	50	50	50	50
Max. tensile strength		N	300	300	225	225	250	250
Belden part number			PRG11A1	PRG11A0	PRG11A2	PRG11A3	PRG11D0	PRG11D3
Colour			GREY	BLACK	BLACK WHITE	BLACK	BLACK	BLACK
Put-up code			240	242	240 / 242	242	240 / 242	240 / 242
Length / reel		meter	250	500	250 / 500	500	250 / 500	250 / 500
Total weight		kg / km	100	98	78	78	81	81

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Coaxial Drop Cables

BROADBAND

			RG7			PRG7				RG6		
Product description			**RG7 CU LSF**	**RG7 CU PE**	**RG7 CU HDPE**	**PRG7 CU PVC**	**PRG7 CU PE**	**PRG7 CU PE messenger**	**PRG7 AL PVC**	**RG6 DB+ PVC [BTQ]**	**RG6 DB+ PVC [BTT]**	**RG6 ALT PVC**
Electrical performance												
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2
Velocity ratio		%	82.0	82.0	82.0	83.0	83.0	83.0	83.0	82.0	82.0	82.0
DC resistance	Loop	Ohm / km	26.5	26.5	26.5	34.5	34.5	34.5	39.6	69	71	81
	Inner conductor	Ohm / km	14.5	14.5	14.5	15.5	15.5	15.5	15.6	55	55	55
Max. current	$I_{eff.}$	A	8	8	8	8	8	8	6.8	6	6	6
Attenuation at	5 MHz	dB / 100 m	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.7	1.7	1.7
	10 MHz	dB / 100 m	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.0	2.0
	50 MHz	dB / 100 m	3.4	3.4	3.4	3.5	3.5	3.5	3.7	4.5	4.5	4.5
	100 MHz	dB / 100 m	4.9	4.9	4.9	5.1	5.1	5.1	5.3	6.4	6.4	6.4
	200 MHz	dB / 100 m	7.0	7.0	7.0	7.3	7.3	7.3	7.6	9.1	9.1	9.1
	230 MHz	dB / 100 m	7.5	7.5	7.5	7.8	7.8	7.8	7.9	9.6	9.6	9.6
	300 MHz	dB / 100 m	8.5	8.5	8.5	8.9	8.9	8.9	9.3	11.0	11.0	11.0
	400 MHz	dB / 100 m	10.1	10.1	10.1	10.5	10.5	10.5	10.9	13.2	13.2	13.2
	600 MHz	dB / 100 m	12.5	12.5	12.5	13.0	13.0	13.0	13.6	16.4	16.4	16.4
	800 MHz	dB / 100 m	14.6	14.6	14.6	15.2	15.2	15.2	15.8	19.2	19.2	19.2
	860 MHz	dB / 100 m	15.1	15.1	15.1	15.8	15.8	15.8	16.4	19.9	19.9	19.9
	1000 MHz	dB / 100 m	16.5	16.5	16.5	17.1	17.1	17.1	17.9	21.7	21.7	21.7
	1350 MHz	dB / 100 m	19.5	19.5	19.5	20.2	20.2	20.2	21.1	25.6	25.6	25.6
	1600 MHz	dB / 100 m	21.4	21.4	21.4	22.2	22.2	22.2	23.1	28.3	28.3	28.3
	1750 MHz	dB / 100 m	22.6	22.6	22.6	23.4	23.4	23.4	24.3	29.6	29.6	29.6
	2150 MHz	dB / 100 m	25.3	25.3	25.3	26.2	26.2	26.2	27.3	33.3	33.3	33.3
	2400 MHz	dB / 100 m	27.0	27.0	27.0	27.9	27.9	27.9	29.1	35.5	35.5	35.5
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 85	> 85	> 85	> 85	> 85	> 85	> 85	> 95	> 95	> 85
Construction and dimensions												
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Copper clad steel	Copper clad steel	Copper clad steel
Diameter conductor		mm	1.25	1.25	1.25	1.2	1.2	1.2	1.2	1.0	1.0	1.0
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	5.7 ± 0.15	5.7 ± 0.15	5.7 ± 0.15	5.4 ± 0.15	5.4 ± 0.15	5.4 ± 0.15	5.4 ± 0.15	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15
Type of foil			Cu	Cu	Cu	Cu	Cu	Cu	AL-PET-AL	AL-PET-AL DB+	AL-PET-AL DB+	AL-PET-AL
Overlap foil		mm	2	2	2	2	2	2	2	1	1	2
Braiding material			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	50	50	50	40	40	40	40	50	40	40
Diameter outer conductor		mm	6.3 ± 0.25	6.3 ± 0.25	6.3 ± 0.25	5.84 ± 0.25	5.84 ± 0.25	5.84 ± 0.25	5.84 ± 0.25	5.4 ± 0.2	5.4 ± 0.2	5.25 ± 0.2
Sheath material			PVC	PE	HDPE	PVC	PE	PE	PVC	PVC	PVC	PVC
Diameter sheath		mm	8.1 ± 0.3	8.1 ± 0.3	8.1 ± 0.3	7.1 ± 0.3	7.1 ± 0.3	7.1 ± 0.3	7.1 ± 0.3	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2
Catenary wire								Zinc plated steel wires				
Diameter catenary wire		mm						3.6 ± 0.2				
Diameter width coax + catenary		mm						14 ± 0.4				
Min. setting radius		mm	80	80	80	70	70	70	35	35	35	35
Max. tensile strength		N	90	90	90	80	80	3500	80	570	570	570
Belden part number			**RG7C00**	**RG7C01**	**RG7C02**	**PRG7C00**	**PRG7C01**	**PRG7A01**	**PRG7A00**	**RG6D01**	**RG6D00**	**RG6A00**
Colour			BLACK	BLACK	GREEN	BLACK GREY WHITE	BLACK	BLACK	WHITE	WHITE	WHITE	BLACK WHITE
Put-up code			241	241	241	172 / 174 011 / 240 241	011 / 240 241	025	172	179	011 / 179	172 / 179
Length / reel		meter	500	500	500	100 / 200 250 / 500 1000	250 / 500 1000	1000	100	250	250 / 250	100 / 250
Total weight		kg / km	62.5	52.3	52.3	46.9	46.9	76	43.6	49.0	49.0	48.5

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Coaxial Drop Cables

BROADBAND

			H126 (RG6 type with bare copper inner conductor)							
Product description			H126 DB+ PVC [BTQ]	H126 DB+ PE [BTQ]	H126 DB+ LSNH [BTQ]	H126 DB+ PVC [BTT]	H126 BF ALT PVC	H126 BF ALT PVC	H126 ALT PVC	H126 ALT PVC
										
Electrical performance										
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2	54 ± 2
Velocity ratio		%	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
DC resistance	Loop	Ohm / km	37	37	37	39	40	45	45	49
	Inner conductor	Ohm / km	23	23	23	23	23	23	23	23
Max. current	Ieff.	A	6	6	6	6	6	6	6	6
Attenuation at	5 MHz	dB / 100 m	1,7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	10 MHz	dB / 100 m	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	50 MHz	dB / 100 m	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	100 MHz	dB / 100 m	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	200 MHz	dB / 100 m	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	230 MHz	dB / 100 m	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
	300 MHz	dB / 100 m	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	400 MHz	dB / 100 m	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
	600 MHz	dB / 100 m	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
	800 MHz	dB / 100 m	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
	860 MHz	dB / 100 m	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
	1000 MHz	dB / 100 m	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	1350 MHz	dB / 100 m	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
	1600 MHz	dB / 100 m	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
	1750 MHz	dB / 100 m	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
	2150 MHz	dB / 100 m	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
	2400 MHz	dB / 100 m	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 95	> 95	> 95	> 95	> 85	> 85	> 85	> 85
Construction and dimensions										
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15	4.57 ± 0.15
Type of foil			AL-PET-AL DB+	AL-PET-AL DB+	AL-PET-AL DB+	AL-PET-AL DB+	AL-PET-AL bonded	AL-PET-AL bonded	AL-PET-AL	AL-PET-AL
Overlap foil		mm	1	1	1	1	1	1	2	2
Braiding material			Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	50	50	50	40	70	50	50	40
Diameter outer conductor		mm	5.4 ± 0.2	5.4 ± 0.2	5.4 ± 0.2	5.4 ± 0.2	5.25 ± 0.2	5.25 ± 0.2	5.25 ± 0.2	5.25 ± 0.2
Sheath material			PVC	PE	LSNH	PVC	PVC	PVC	PVC	PVC
Diameter sheath		mm	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2	6.9 ± 0.2
Min. setting radius		mm	35	35	35	35	35	35	35	35
Max. tensile strength		N	55	55	55	55	55	55	55	55
Belden part number			H126D02	H126D04	H126D03	H126D00	H126A03	H126A02	H126A01	H126A00
Colour			BLACK WHITE	BLACK	WHITE	WHITE	WHITE	WHITE	BLACK WHITE	BLACK WHITE
Put-up code			172 / 179 240	240	179	011 / 179	028 / 179	028 / 179	172 / 028 179	422 / 172 011 / 179 261
Length / reel		meter	100 / 250 500	500	250	250 / 250	200 / 250	200 / 250	100 / 200 250	91.4 / 100 250 / 250 300
Total weight		kg / km	49.4	41.2	49.0	49.0	53.5	48.1	47.0	48.5

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Product description			H125 AL							
			H125 DB+ PE	H125 CH PVC	H125 CH LSNH	H125 CH PE	H125 AL PVC	H125 AL PE	H125 AL LSNH	H125 AL PVC twin
										
Electrical performance										
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3
Velocity ratio		%	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
DC resistance	Loop	Ohm / km	37	41	41	41	50	50	50	50
	Inner conductor	Ohm / km	23	23	23	23	23	23	23	23
Max. current	Ieff.	A	6	6	6	6	6	6	6	6
Attenuation at	5 MHz	dB / 100 m	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	10 MHz	dB / 100 m	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	50 MHz	dB / 100 m	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
	100 MHz	dB / 100 m	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	200 MHz	dB / 100 m	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
	230 MHz	dB / 100 m	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	300 MHz	dB / 100 m	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
	400 MHz	dB / 100 m	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
	600 MHz	dB / 100 m	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
	800 MHz	dB / 100 m	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
	860 MHz	dB / 100 m	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
	1000 MHz	dB / 100 m	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
	1350 MHz	dB / 100 m	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
	1600 MHz	dB / 100 m	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
	1750 MHz	dB / 100 m	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
	2150 MHz	dB / 100 m	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
	2400 MHz	dB / 100 m	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 90	> 90	> 90	> 90	> 85	> 85	> 85	> 85
Construction and dimensions										
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15
Type of foil			AL-PET-AL DB+	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL
Overlap foil		mm	2	2	2	2	2	2	2	2
Braiding material			Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	50	70	70	70	40	40	40	40
Diameter outer conductor		mm	5.5 ± 0.2	5.5 ± 0.2	5.5 ± 0.2	5.5 ± 0.2	5.34 ± 0.2	5.34 ± 0.2	5.34 ± 0.2	5.34 ± 0.2
Sheath material			PE	PVC	LSNH	PE	PVC	PE	LSNH	PVC
Diameter sheath		mm	6.9 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2
Min. setting radius		mm	35	35	35	35	35	35	35	35
Max. tensile strength		N	60	60	60	60	55	55	55	55

Belden part number		H125D00	H125A06	H125A07	H125A08	H125A00	H125A01	H125A03	H125A04
Colour		WHITE	WHITE	GREY WHITE	BLACK	BLACK BROWN GREY WHITE	BLACK	GREY	BLACK
Put-up code		172 / 179 240	172 / 011 179 / 240	172 / 240	240	172 / 178 028 / 011 179 / 240	172 / 011 240	172 / 240	240
Length / reel	meter	100 / 250 500	100 / 250 250 / 500	100 / 500	500	100 / 150 200 / 250 250 / 500	100 / 250 500	100 / 500	250
Total weight	kg / km	42	47	49	41	48	36	45	86.3

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Product description			H125 CU PVC	H125 CU PE	H125 CU LSNH	H125 CU PE messenger	H125 CU PVC twin	H109 PVC	H109 LSNH	H109B AL PVC	H109 AL PVC
			H125 CU					**H109 CU**		**H109 AL**	

Electrical performance											
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	56 ± 2	56 ± 2	56 ± 2	56 ± 2
Velocity ratio		%	81.0	81.0	81.0	81.0	81.0	80.0	80.0	80.0	80.0
DC resistance	Loop	Ohm / km	41	41	41	41	41	41	41	47	50
	Inner conductor	Ohm / km	23	23	23	23	23	23	23	23	23
Max. current	$I_{eff.}$	A	7.4	7.4	7.4	7.4	7.4	6	6	5	5
Attenuation at	5 MHz	dB / 100 m	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4
	10 MHz	dB / 100 m	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2
	50 MHz	dB / 100 m	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.4	4.4
	100 MHz	dB / 100 m	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.2	6.2
	200 MHz	dB / 100 m	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.9	8.9
	230 MHz	dB / 100 m	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2
	300 MHz	dB / 100 m	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.9	10.9
	400 MHz	dB / 100 m	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.9	12.9
	600 MHz	dB / 100 m	15.4	15.4	15.4	15.4	15.4	15.4	15.4	16.0	16.0
	800 MHz	dB / 100 m	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.8	18.8
	860 MHz	dB / 100 m	18.3	18.3	18.3	18.3	18.3	18.3	18.3	19.1	19.1
	1000 MHz	dB / 100 m	20.4	20.4	20.4	20.4	20.4	20.4	20.4	21.2	21.2
	1350 MHz	dB / 100 m	24.1	24.1	24.1	24.1	24.1	24.1	24.1	25.1	25.1
	1600 MHz	dB / 100 m	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.7	27.7
	1750 MHz	dB / 100 m	27.9	27.9	27.9	27.9	27.9	27.9	27.9	29.0	29.0
	2150 MHz	dB / 100 m	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.7	32.7
	2400 MHz	dB / 100 m	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.8	34.8
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 85	> 85	> 85	> 85	> 85	> 75	> 75	> 85	> 85

Construction and dimensions										
Material conductor		Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor	mm	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Material dielectric		Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	5 Cell PE	5 Cell PE	5 Cell PE	5 Cell PE
Diameter dielectric	mm	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.7 ± 0.15	4.7 ± 0.15	4.7 ± 0.15	4.7 ± 0.15
Type of foil		Cu	Cu	Cu	Cu	Cu	Cu	Cu	AL-PET-AL	AL-PET-AL
Overlap foil	mm	2	2	2	2	2	2	2	2	2
Braiding material		Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Annealed tinned copper	Annealed tinned copper
Braid coverage	%	40	40	40	40	40	55	55	65	40
Diameter outer conductor	mm	5.24 ± 0.2	5.24 ± 0.2	5.24 ± 0.2	5.24 ± 0.2	5.24 ± 0.2	5.2 ± 0.20	5.2 ± 0.20	5.2 ± 0.20	5.2 ± 0.20
Sheath material		PVC	PE	LSNH	PE	PVC	PVC	LSNH	PVC	PVC
Diameter sheath	mm	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	6.65 ± 0.2	6.65 ± 0.2	6.33 ± 0.2	6.33 ± 0.2
Catenary wire					Zinc plated steel wires					
Diameter catenary wire	mm				4.4 ± 0.4					
Diameter width coax + catenary	mm				12 ± 0.4					
Min. setting radius	mm	70	70	70	35	70	70	70	35	35
Max. tensile strength	N	55	55	55	3500	55	55	55	55	55

Belden part number		H125C00	H125C01	H125C04	H125A02	H125C03	H109C00	H109C02	H109A00	H109A01
Colour		BLACK BROWN CREAM GREY WHITE	BLACK	GREY	BLACK	WHITE	BLACK BROWN WHITE	BLACK WHITE	BLACK WHITE	BLACK WHITE
Put-up code		422 / 172 028 / 011 240 / 241	172 / 011 240	240	241	240	011 106 / 240	240	172 / 028 179	172 / 028
Length / reel	meter	91.4 / 100 200 / 250 500 / 1000	100 / 250 500	500	500	250	250 250 / 500	500	100 / 250 250	100 / 250
Total weight	kg / km	46	39	45.6	75	92	49.4	47	43	38.5

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			H124	H121					
Product description			H124 AL PVC	H121B AL PVC	H121B AL LSNH	H121 AL PVC	H121 AL PE	H121 AL PVC twin	H121 CU PVC
Electrical performance									
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	53 ± 3	53 ± 2	53 ± 2	53 ± 2	53 ± 2	53 ± 2	53 ± 2
Velocity ratio		%	84.0	84.0	84.0	84.0	84.0	84.0	84.0
DC resistance	Loop	Ohm / km	58	55	55	75	75	75	59
	Inner conductor	Ohm / km	23	35	35	35	35	35	35
Max. current	Ieff.	A	5	4.4	4.4	4.4	4.4	4.4	5.6
Attenuation at	5 MHz	dB / 100 m	2.0	1.7	1.7	1.7	1.7	1.7	1.7
	10 MHz	dB / 100 m	2.8	3.0	3.0	3.0	3.0	3.0	2.4
	50 MHz	dB / 100 m	4.5	5.6	5.6	5.6	5.6	5.6	5.3
	100 MHz	dB / 100 m	6.4	7.9	7.9	7.9	7.9	7.9	7.6
	200 MHz	dB / 100 m	9.2	11.3	11.3	11.3	11.3	11.3	10.8
	230 MHz	dB / 100 m	9.8	12.3	12.3	12.3	12.4	12.3	11.6
	300 MHz	dB / 100 m	11.5	14.2	14.2	14.2	14.2	14.2	13.3
	400 MHz	dB / 100 m	13.3	16.2	16.2	16.2	16.2	16.2	15.4
	600 MHz	dB / 100 m	16.5	20.0	20.0	20.4	20.4	20.4	19.1
	800 MHz	dB / 100 m	19.3	23.2	23.2	23.2	23.2	23.2	22.2
	860 MHz	dB / 100 m	20.0	24.7	24.7	24.7	24.7	24.7	23.1
	1000 MHz	dB / 100 m	21.8	26.1	26.1	26.1	26.1	26.1	25.0
	1350 MHz	dB / 100 m	25.7	30.7	30.7	30.7	30.7	30.7	29.4
	1600 MHz	dB / 100 m	28.4	33.6	33.6	33.6	33.6	33.6	32.2
	1750 MHz	dB / 100 m	29.7	35.3	35.3	35.3	35.3	35.3	33.8
	2150 MHz	dB / 100 m	33.4	39.4	39.4	39.4	39.4	39.4	37.8
	2400 MHz	dB / 100 m	35.6	41.9	41.9	41.9	41.9	41.9	40.1
Return loss at	5 – 470 MHz	dB	> 23	> 20	> 20	> 20	> 20	> 20	> 20
	470 – 862 MHz	dB	> 20	> 18	> 18	> 18	> 18	> 18	> 18
	862 – 2150 MHz	dB	> 18	> 16	> 16	> 16	> 16	> 16	> 16
Screening efficiency	30 – 1000 MHz	dB	> 75	> 85	> 85	> 85	> 85	> 85	> 85
Construction and dimensions									
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	1.0	0.8	0.8	0.8	0.8	0.8	0.8
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	4.4 ± 0.15	3.5 ± 0.15	3.5 ± 0.15	3.5 ± 0.15	3.5 ± 0.15	3.5 ± 0.15	3.5 ± 0.15
Type of foil			AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	Cu
Overlap foil		mm	2	2	2	2	2	2	2
Braiding material			Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Bare copper
Braid coverage		%	40	75	75	45	45	45	45
Diameter outer conductor		mm	5.1 ± 0.2	4.1 ± 0.15	4.1 ± 0.15	4.1 ± 0.15	4.1 ± 0.15	4.1 ± 0.15	4.1 ± 0.15
Sheath material			PVC	PVC	LSNH	PVC	PE	PVC	PVC
Diameter sheath		mm	5.9 ± 0.2	5.0 ± 0.3	5.0 ± 0.3	5.0 ± 0.3	5.0 ± 0.3	5.0 ± 0.3	5.0 ± 0.3
Min. setting radius		mm	30	25	25	25	25	25	50
Max. tensile strength		N	55	45	45	40	40	80	40
Belden part number			H124A00	H121A03	H121A04	H121A00	H121A01	H121A02	H121C00
Colour			WHITE	WHITE	WHITE	BLACK WHITE	BLACK	WHITE	WHITE
Put-up code			172 / 179 011 / 241 042	172 / 178 011	172 / 178 011	172 / 028 178 / 011	011	151 / 011	172 / 011
Length / reel		meter	100 / 250 500 / 1000 5000	100 / 300 500	100 / 300 500	100 / 250 300 / 500	500	100 / 250	100 / 500
Total weight		kg / km	32	29.7	29.7	26.8	20.7	49.2	26.7

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Product description			COAX 12 PVC	COAX 12 PE	COAX 12 PE messenger	H114B PVC	H114A PVC	H123B AL PVC	H123B AL LSNH	H123 AL PVC
			COAX 12			H114		H123		

Electrical performance										
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	67 ± 2	67 ± 2	67 ± 2	67 ± 2	67 ± 2	54 ± 2	54 ± 2	54 ± 2
Velocity ratio		%	66.0	66.0	66.0	66.0	66.0	84.0	84.0	84.0
DC resistance	Loop	Ohm / km	61	61	61	228	237	72	72	92
	Inner conductor	Ohm / km	45	45	45	210	210	55	55	55
Max. current	Ieff.	A	7.1	7.1	7.1	4.1	4.1	4.2	4.2	4.2
Attenuation at	5 MHz	dB / 100 m	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
	10 MHz	dB / 100 m	2.5	2.5	2.5	2.9	2.9	4.0	4.0	4.0
	50 MHz	dB / 100 m	5.7	5.7	5.7	5.8	5.8	7.5	7.5	7.5
	100 MHz	dB / 100 m	8.2	8.2	8.2	8.2	8.2	10.0	10.0	10.0
	200 MHz	dB / 100 m	11.4	11.4	11.4	11.8	11.8	13.8	13.8	13.8
	230 MHz	dB / 100 m	12.2	12.2	12.2	12.6	12.6	14.9	14.9	14.9
	300 MHz	dB / 100 m	14.1	14.1	14.1	14.5	14.5	17.2	17.2	17.2
	400 MHz	dB / 100 m	16.9	16.9	16.9	16.9	16.9	19.9	19.9	19.9
	600 MHz	dB / 100 m	21.0	21.0	21.0	20.9	20.9	24.8	24.8	24.8
	800 MHz	dB / 100 m	24.5	24.5	24.5	24.5	24.5	29.0	29.0	29.0
	860 MHz	dB / 100 m	25.5	25.5	25.5	25.7	25.7	30.0	30.0	30.0
	1000 MHz	dB / 100 m	27.7	27.7	27.7	27.9	27.9	32.5	32.5	32.5
	1350 MHz	dB / 100 m	32.7	32.7	32.7	32.9	32.9	37.3	37.3	37.3
	1600 MHz	dB / 100 m	36.0	36.0	36.0	36.2	36.2	40.0	40.0	40.0
	1750 MHz	dB / 100 m	37.8	37.8	37.8	38.1	38.1	42.2	42.2	42.2
	2150 MHz	dB / 100 m	42.5	42.5	42.5	42.8	42.8	47.0	47.0	47.0
	2400 MHz	dB / 100 m	45.2	45.2	45.2	45.5	45.5	50.5	50.5	50.5
Return loss at	5 – 470 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 20	> 20	> 20
	470 – 862 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 18	> 18	> 18
	862 – 2150 MHz	dB	> 16	> 16	> 16	> 16	> 16	> 16	> 16	> 16
Screening efficiency	30 – 1000 MHz	dB	> 85	> 85	> 85	> 85	> 75	> 85	> 85	> 80

Construction and dimensions										
Material conductor			Bare copper	Bare copper	Bare copper	Copper clad steel	Copper clad steel	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	0.71	0.71	0.71	0.72	0.72	0.65	0.65	0.65
Material dielectric			Solid PE	Solid PE	Solid PE	Solid PE	Solid PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	4.6 ± 0.15	4.6 ± 0.15	4.6 ± 0.15	4.75 ± 0.15	4.75 ± 0.15	2.9 ± 0.15	2.9 ± 0.15	2.9 ± 0.15
Type of foil			Cu	Cu	Cu	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL	AL-PET-AL
Overlap foil		mm	2	2	2	2	2	2	2	2
Braiding material			Bare copper	Bare copper	Bare copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	60	60	60	65	35	90	90	45
Diameter outer conductor		mm	5.25 ± 0.2	5.25 ± 0.2	5.25 ± 0.2	5.45 ± 0.2	5.45 ± 0.2	3.4 ± 0.15	3.4 ± 0.15	3.4 ± 0.15
Sheath material			PVC	PE	PE	PVC	PVC	PVC	LSNH	PVC
Diameter sheath		mm	6.8 ± 0.2	7.1 ± 0.2	7.1 ± 0.2	6.8 ± 0.2	6.8 ± 0.2	4.3 ± 0.2	4.3 ± 0.2	4.15 ± 0.2
Catenary wire					Zinc plated steel wires					
Diameter catenary wire		mm			4.8 ± 0.2					
Diameter width coax + catenary		mm			13.8 ± 0.4					
Min. setting radius		mm	70	70	70	35	35	25	25	25
Max. tensile strength		N	35	35	3500	125	125	33	33	30

Belden part number			CX12C00	CX12C01	CX12C02	H114A01	H114A00	H123A01	H123A02	H123A00
Colour			BLACK GREY WHITE	BLACK GREEN	BLACK	WHITE	GREY WHITE	WHITE	GREEN WHITE	BLACK BLUE GREEN RED WHITE
Put-up code			174 / 240 241	174 / 241 242	025	172 / 011 240	172 / 040 240	172 / 028	028	172 / 178 028 / 042
Length / reel		meter	200 / 500 1000	200 / 1000 1000	1000	100 / 250 500	100 / 100 500	100 / 500	500	100 / 250 500 / 8000
Total weight		kg / km	54.1	49.9	80.7	52.4	46.6	28.7	29	17.8

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Composite Cables

BROADBAND

			Distribution	Drop			
Product description			**PRG11 CU DATADROP PE**	**PRG7 CU DATADROP PE**	**H125 CU DATADROP PVC**	**H125 AL DATADROP PVC**	**RG6 DB+ UNIDROP PVC**
							
Electrical performance			**coax**				
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	55 ± 2	54 ± 2	55 ± 3	55 ± 3	54 ± 2
Velocity ratio		%	81.0	83.0	81.0	84.0	82.0
DC resistance	Loop	Ohm / km	20	34.5	41	50	37
	Inner conductor	Ohm / km	9.4	15.5	23	23	23
Max. current	Ieff.	A	12.0	8.0	7.4	6.0	6.0
Attenuation at	5 MHz	dB / 100 m	0.9	1.1	1.3	1.4	1.8
	10 MHz	dB / 100 m	1.2	1.5	1.8	2.2	2.0
	50 MHz	dB / 100 m	2.7	3.5	4.2	4.4	4.8
	100 MHz	dB / 100 m	3.9	5.1	6.0	6.2	6.6
	200 MHz	dB / 100 m	5.7	7.3	8.6	8.9	9.3
	230 MHz	dB / 100 m	6.1	7.8	9.1	9.2	9.6
	300 MHz	dB / 100 m	6.9	8.9	10.5	10.9	11.0
	400 MHz	dB / 100 m	8.2	10.5	12.4	12.9	13.4
	600 MHz	dB / 100 m	10.2	13.0	15.4	16.0	16.7
	800 MHz	dB / 100 m	12.0	15.2	18.0	18.8	19.5
	860 MHz	dB / 100 m	12.5	15.8	18.3	19.1	20.2
	1000 MHz	dB / 100 m	13.6	17.1	20.4	21.2	22.0
	1350 MHz	dB / 100 m	16.1	20.2	24.1	25.1	26.0
	1600 MHz	dB / 100 m	17.9	22.2	26.7	27.7	27.7
	1750 MHz	dB / 100 m	18.7	23.4	27.9	29.0	29.0
	2150 MHz	dB / 100 m	21.1	26.2	31.4	32.7	33
	2400 MHz	dB / 100 m	22.5	27.9	33.5	34.8	35
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18
Screening efficiency	30 – 1000 MHz	dB	> 85	> 85	> 85	> 85	> 95
Construction and dimensions							
Material conductor			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	1.55	1.2	1.0	1.0	1.0
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	7.25 ± 0.2	5.4 ± 0.15	4.8 ± 0.15	4.8 ± 0.15	4.57 ± 0.15
Type of foil			Cu	Cu	Cu	AL-PET-AL	AL-PET-AL DB+
Overlap foil		mm	2	2	2	2	1
Braiding material			Bare copper	Bare copper	Bare copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	50	40	40	40	50
Diameter outer conductor		mm	7.9 ± 0.25	5.84 ± 0.25	5.24 ± 0.2	5.34 ± 0.2	5.5 ± 0.2
Sheath material			PE	PE	PVC	PVC	PVC
Diameter sheath	B	mm	10.1 ± 0.3	7.1 ± 0.3	6.8 ± 0.2	6.8 ± 0.2	6.9 ± 0.2
	C	mm	15.1 ± 0.3	12.1 ± 0.3	11.8 ± 0.2	11.8 ± 0.2	11.9 ± 0.2
Min. setting radius		mm	100	70	70	35	70
Max. tensile strength		N	250	80	55	55	55
Belden part number			**PRG11C7**	**PRG7C02**	**H125C02**	**H125A05**	**H126D01**
Colour			BLACK	BLACK	BLACK WHITE	WHITE	BLACK WHITE
Reel type			241	242	241	241	241
Length / reel		meter	250	500	500	500	500
Total weight		kg / km	96	61	63.2	63	64

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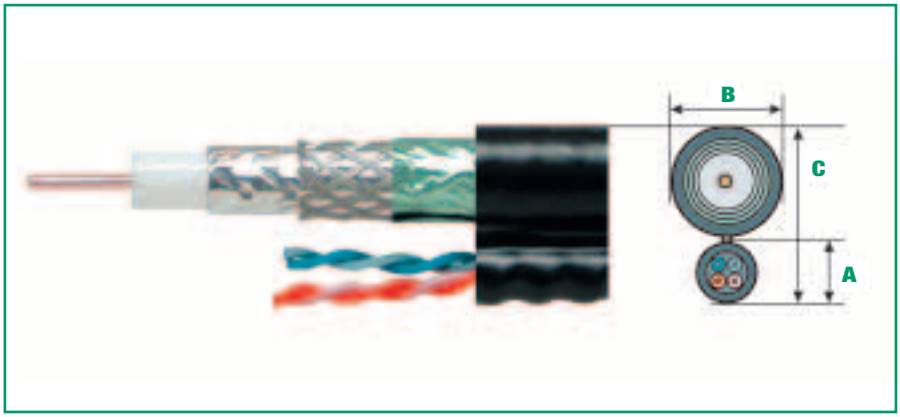
UTP Information

BROADBAND

			UTP
Product description			**2 UTP**
Electrical performance			**pair**
Impedance		Ohm	100 ± 15
Capacitance		pF / m	49 ± 5
Velocity ratio		%	67
DC resistance	Loop	Ohm / km	
	Inner conductor	Ohm / km	94
Attenuation at	1 MHz	dB / 100 m	2.1
	10 MHz	dB / 100 m	6.6
	16 MHz	dB / 100 m	8.2
	20 MHz	dB / 100 m	9.2
	31.25 MHz	dB / 100 m	11.8
	62.5 MHz	dB / 100 m	17.1
	100 MHz	dB / 100 m	22.0
Next	1 MHz	dB	62.0
	10 MHz	dB	47.0
	16 MHz	dB	44.0
	31.25 MHz	dB	40.0
	62.5 MHz	dB	35.0
	100 MHz	dB	32.0
Construction and dimensions			
Material conductor			Bare copper AWG 24
Diameter conductor		mm	0.5
Material insulation			Solid PE
Diameter dielectric		mm	0.9
Number of pairs			2
Colour	Pair 1		WHITE – ORANGE / ORANGE
	Pair 2		WHITE – BLUE / BLUE
Diameter over sheath	A	mm	4.6 ± 0.25



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Coaxial Connection Cables

BROADBAND

Product description			Connection						
			H105 PVC	H106 PVC	H106 LSNH	RG59 PVC	H12A PVC	H12 PVC	H110 PVC
Electrical performance									
Impedance		Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance		pF / m	67 ± 2	67 ± 2	67 ± 2	67 ± 2	55 ± 2	67 ± 2	59 ± 2
Velocity ratio		%	66.0	66.0	66.0	66.0	80.0	66.0	78.0
DC resistance	Loop	Ohm / km	56.0	93.5	93.5	173.0	65.0	92.5	132.0
	Inner conductor	Ohm / km	45.0	75.0	75.0	158.0	53.0	80.0	80.0
Attenuation at	5 MHz	dB / 100 m	2.2	2.6	2.6	2.9	2.4	2.7	3.0
	10 MHz	dB / 100 m	2.9	3.5	3.5	4.0	3.4	3.8	4.8
	50 MHz	dB / 100 m	6.6	8.0	8.0	8.0	7.5	8.7	10.7
	100 MHz	dB / 100 m	9.5	11.6	11.6	11.6	10.7	12.4	14.2
	200 MHz	dB / 100 m	13.7	17.0	17.0	17.0	15.2	17.8	20.4
	230 MHz	dB / 100 m	14.7	18.3	18.3	18.3	16.3	19.1	21.9
	300 MHz	dB / 100 m	16.8	21.2	21.2	21.2	18.8	22.0	25.4
	400 MHz	dB / 100 m	19.4	24.5	24.5	24.5	21.8	25.6	29.3
	600 MHz	dB / 100 m	24.3	31.1	31.1	31.1	26.9	31.8	36.0
	800 MHz	dB / 100 m	29.1	37.8	37.8	37.8	31.3	37.2	42.1
	860 MHz	dB / 100 m	30.1	39.2	39.2	39.2	32.5	38.6	43.7
	1000 MHz	dB / 100 m	32.8	42.9	42.9	42.9	35.2	42.1	
	1350 MHz	dB / 100 m	32.8	50.0	50.0	50.0			
	1600 MHz	dB / 100 m	41.5	54.5	54.5	54.5			
	1750 MHz	dB / 100 m	43.4	57.0	57.0	57.0			
	2150 MHz	dB / 100 m	48.1	63.0	63.0	63.0			
	2400 MHz	dB / 100 m							
Return loss at	5 – 470 MHz	dB	> 20	> 20	> 20	> 20	> 30	> 30	> 20
	470 – 862 MHz	dB	> 18	> 18	> 18	> 18	> 25	> 25	> 18
	862 – 2150 MHz	dB	> 16	> 16	> 16	> 16	> 25	> 25	
Screening efficiency	30 – 1000 MHz	dB	> 75	> 75	> 75	> 65	> 50	> 50	
Construction and dimensions									
Material conductor			Bare copper	Bare copper	Bare copper	Copper clad steel	Bare copper	Bare copper	Bare copper
Diameter conductor		mm	0.7	0.58	0.58	0.58	0.8	0.6	0.6
Construction		n x mm					12 x 0.193	7 x 0.2	7 x 0.193
Material dielectric			Solid PE	Solid PE	Solid PE	Solid PE	Gas injected PE	Solid PE	Gas injected PE
Diameter dielectric		mm	4.6 ± 0.15	3.7 ± 0.15	3.7 ± 0.15	3.7 ± 0.15	3.5 ± 0.15	3.5 ± 0.15	2.5 ± 0.15
Braiding I material			Bare copper	Annealed tinned copper	Annealed tinned copper	Bare copper	Bare copper	Bare copper	Bare copper
Braid coverage I		%	93	92	92	95	91	91	52
Braiding II material			Bare copper	Annealed tinned copper	Annealed tinned copper				
Braid coverage II		%	92	92	92				
Diameter outer conductor		mm	5.7 ± 0.25	4.8 ± 0.25	4.8 ± 0.25	4.3 ± 0.25	4.1 ± 0.2	4.1 ± 0.2	2.85 ± 0.2
Sheath material			PVC	PVC	LSNH	PVC	PVC	PVC	PVC
Diameter sheath		mm	7.2 ± 0.3	6.0 ± 0.3	6.0 ± 0.3	6.15 ± 0.3	5.6 ± 0.2	5.6 ± 0.2	4.15 ± 0.2
Min. setting radius		mm	35	30	30	30	25	25	25
Belden part number			H105B00	H106T00	H106T01	MRG5900	H12B01	H12B00	H110B00
Colour			BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
Put-up code			172 / 174 240	172 / 011	172 / 011	172 / 173 011 / 241	172 / 173 011	172 / 173 011	241
Length / reel		meter	100 / 200 500	100 / 500	100 / 500	100 / 200 500 / 1000	100 / 200 500	100 / 200 500	2500
Total weight		kg / km	80	57	58	53	41.6	41.6	18.2

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Coaxial 50 Ohm Cables

BROADBAND

			50 OHM					
Product description			**H1000B PE**	**H1000 PVC**	**H1000 PE**	**H1001 PE**	**H500 PE**	**RG213 PVC**
								
Electrical performance								
Impedance		Ohm	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2
Capacitance		pF / m	80 ± 2	80 ± 2	80 ± 2	80 ± 2	82 ± 2	100 ± 2
Velocity ratio		%	83.0	83.0	83.0	83.0	81.0	66.0
DC resistance	Loop	Ohm / km	8.0	12.3	12.3	16.5	14.2	11.5
	Inner conductor	Ohm / km	3.5	3.5	3.5	4.5	3.5	6
Attenuation at	5 MHz	dB / 100 m	0.8	0.8	0.8	1.0	0.9	1.6
	10 MHz	dB / 100 m	1.2	1.2	1.2	1.5	1.3	2.0
	50 MHz	dB / 100 m	2.8	2.8	2.8	3.3	2.9	4.6
	100 MHz	dB / 100 m	4.0	4.0	4.0	4.7	4.1	6.6
	200 MHz	dB / 100 m	5.7	5.7	5.7	6.7	6.0	9.5
	230 MHz	dB / 100 m	6.1	6.1	6.1	7.2	6.5	10.1
	300 MHz	dB / 100 m	7.0	7.0	7.0	9.8	7.5	11.6
	400 MHz	dB / 100 m	8.4	8.4	8.4	10.6	8.7	13.8
	600 MHz	dB / 100 m	10.4	10.4	10.4	12.2	10.9	17.0
	800 MHz	dB / 100 m	12.3	12.3	12.3	14.4	12.9	20.0
	860 MHz	dB / 100 m	13.8	13.8	13.8	14.9	13.4	20.7
	1000 MHz	dB / 100 m	14.0	14.0	14.0	16.2	14.6	22.6
	1350 MHz	dB / 100 m	16.7	16.7	16.7	19.3	17.4	26.8
	1600 MHz	dB / 100 m	18.7	18.7	18.7	21.4	19.4	29.7
	1750 MHz	dB / 100 m	19.5	19.5	19.5	22.4	20.3	31.1
	2150 MHz	dB / 100 m	22.5	22.5	22.5	25.3	23.0	35.1
	2400 MHz	dB / 100 m	23.6	23.6	23.6	27.1	24.6	37.1
Power rating at 40 C	7 MHz	Watt	4500	3200	3200	2600	3000	3700
	14 MHz	Watt	3200	2200	2200	1850	2100	2600
	21 MHz	Watt	2600	1840	1840	1500	1720	2100
	28 MHz	Watt	2200	1590	1590	1300	1490	1800
	50 MHz	Watt	1700	1180	1180	970	1100	1350
	100 MHz	Watt	1200	820	820	680	770	950
	144 MHz	Watt	1000	680	680	560	640	780
	432 MHz	Watt	600	370	370	310	350	440
	800 MHz	Watt	400	265	265	230	250	320
	900 MHz	Watt	400	250	250	210	240	290
	1296 MHz	Watt	300	200	200	170	190	240
	2320 MHz	Watt	200	145	145	125	140	170
	5000 MHz	Watt	200	90	90	80	90	110
	10000 MHz	Watt	100	55	55	50	55	70
Return loss at	5 – 470 MHz	dB	> 23	> 23	> 23	> 23	> 23	> 20
	470 – 862 MHz	dB	> 20	> 20	> 20	> 20	> 20	> 18
	862 – 2150 MHz	dB	> 18	> 18	> 18	> 18	> 18	> 16
Screening efficiency	30 – 1000 MHz	dB	> 100	> 100	> 100	> 100	> 95	> 65
Construction and dimensions								
Material conductor			Bare copper	Bare copper	Bare copper	Stranded soft annealed copper	Bare copper	Stranded soft annealed copper
Diameter conductor		mm	2.62	2.62	2.62	2.7	2.5	2.25
Construction		n x mm				19 x 0.54		7 x 0.75
Material dielectric			Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Solid PE
Diameter dielectric		mm	7.15 ± 0.2	7.15 ± 0.2	7.15 ± 0.2	7.15 ± 0.2	7.0 ± 0.2	7.25 ± 0.2
Type of foil			CuPET	Cu	Cu	CuPET	Cu	
Overlap foil		mm	2	2	2	2	2	
Braiding material			Bare copper	Bare copper	Bare copper	Bare copper	Bare copper	Bare copper
Braid coverage		%	85	49	49	49	50	92
Diameter outer conductor		mm	8.0 ± 0.25	7.9 ± 0.25	7.9 ± 0.25	7.9 ± 0.25	7.45 ± 0.2	7.8 ± 0.25
Sheath material			PE	PVC	PE	PE	PE	PVC
Diameter sheath		mm	10.3 ± 0.3	10.3 ± 0.3	10.3 ± 0.3	10.3 ± 0.3	9.8 ± 0.2	10.3 ± 0.3
Min. setting radius		mm	50	100	100	100	75	50
Belden part number			**H1000C3**	**H1000C0**	**H1000C1**	**H1001C1**	**H500C00**	**MRG2130**
Colour			BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
Reel type			242	151 / 240 242 / 245	242	242	151 / 153 240 / 242 042	151 / 153 240 / 242 245
Length / reel		meter	500	100 / 250 500 / 1000	500	500	100 / 200 250 / 500 2000	100 / 200 250 / 500 1000
Total weight		kg / km	155	141	120	109	107	136

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Coaxial 50 Ohm Cables

BROADBAND

Product description			50 OHM					
			RACO 25 PVC radiating	H1000R PVC radiating	H155 PVC	H155 PE	RG58 PVC	RG58 PVC twin
								
Electrical performance								
Impedance		Ohm	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2
Capacitance		pF / m	100 ± 2	80 ± 2	82 ± 2	82 ± 2	100 ± 2	100 ± 2
Velocity ratio		%	66.0	83.0	81.0	81.0	66.0	66.0
DC resistance	Loop	Ohm / km	56.3	38.5	32	32	51	51
	Inner conductor	Ohm / km	6	3.5	15	15	36	36
Attenuation at	5 MHz	dB / 100 m	3.1	1.6	2.3	2.3	3.7	3.7
	10 MHz	dB / 100 m	3.3	2.0	3.0	3.0	4.7	4.7
	50 MHz	dB / 100 m	7.4	4.5	6.5	6.5	10.6	10.6
	100 MHz	dB / 100 m	10.4	6.3	9.3	9.3	15.1	15.1
	200 MHz	dB / 100 m	15.0	9.0	13.2	13.2	21.4	21.4
	230 MHz	dB / 100 m	15.9	9.6	14.2	14.2	23.0	23.0
	300 MHz	dB / 100 m	18.9	11.4	16.3	16.3	26.5	26.5
	400 MHz	dB / 100 m	21.4	13.0	19.0	19.0	29.7	29.7
	600 MHz	dB / 100 m	26.0	15.9	23.0	23.0	37.9	37.9
	800 MHz	dB / 100 m	30.4	18.7	26.5	26.5	44.2	44.2
	860 MHz	dB / 100 m	31.3	19.4	27.5	27.5	45.8	45.8
	1000 MHz	dB / 100 m	36.3	22.5	30.9	30.9	49.6	49.6
	1350 MHz	dB / 100 m			35.9	35.9	58.2	58.2
	1600 MHz	dB / 100 m			40.5	40.5	63.9	63.9
	1750 MHz	dB / 100 m			42.3	42.3	66.8	66.8
	2150 MHz	dB / 100 m			46.9	46.9	74.6	74.6
	2400 MHz	dB / 100 m			49.6	49.6	78.9	78.9
Power rating at 40 C	7 MHz	Watt			950	950	940	940
	14 MHz	Watt			670	670	660	660
	21 MHz	Watt			550	550	540	540
	28 MHz	Watt			470	470	470	470
	50 MHz	Watt			350	350	350	350
	100 MHz	Watt			250	250	250	250
	144 MHz	Watt			210	210	210	210
	432 MHz	Watt			120	120	120	120
	800 MHz	Watt			85	85	85	85
	900 MHz	Watt			80	80	80	80
	1296 MHz	Watt			65	65	65	65
	2320 MHz	Watt			50	50	50	50
	5000 MHz	Watt			30	30	30	30
	10000 MHz	Watt			20	20	20	20
Return loss at	5 – 470 MHz	dB			> 23	> 23	> 20	> 20
	470 – 862 MHz	dB			> 20	> 20	> 18	> 18
	862 – 2150 MHz	dB			> 18	> 18	> 16	> 16
Screening efficiency	30 – 1000 MHz	dB			> 85	> 85	> 65	> 65
Construction and dimensions								
Material conductor			Stranded soft annealed copper	Bare copper	Stranded soft annealed copper	Stranded soft annealed copper	Stranded soft annealed tinned copper	Stranded soft annealed tinned copper
Diameter conductor		mm	2.25	2.62	1.41	1.41	0.91	0.91
Construction		n x mm	7 x 0.75		19 x 0.28	19 x 0.28	19 x 0.18	19 x 0.18
Material dielectric			Solid PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE	Gas injected PE
Diameter dielectric		mm	7.25 ± 0.2	7.15 ±.02	3.9 ± 0.15	3.9 ± 0.15	2.95 ± 0.15	2.95 ± 0.15
Type of foil					AL-PET-AL	AL-PET-AL		
Overlap foil		mm			2	2		
Braiding material			Bare copper	Bare copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper	Annealed tinned copper
Braid coverage		%	25	25	80	80	93	93
Diameter outer conductor		mm	7.8 ± 0.25	7.7 ± 0.25	4.5 ± 0.2	4.5 ± 0.2	3.5 ± 0.15	3.5 ± 0.15
Sheath material			PVC	PVC	PVC	PE	PVC	PVC
Diameter sheath		mm	10.3 ± 0.3	10.3 ± 0.3	5.4 ± 0.2	5.4 ± 0.2	4.95 ± 0.2	4.95 ± 0.2
Min. setting radius		mm	100	100	35	35	50	50
Belden part number			**MRG2131**	**H1000C2**	**H155A00**	**H155A01**	**MRG5800**	**MRG5802**
Colour			GREY YELLOW	BLACK	GREY	BLACK	BLACK	BLACK
Reel type			014	242	172 / 028 011 / 240	172 / 240	172 / 011	241
Length / reel		meter	500	500	100 / 250 500 / 1000	100 / 1000	100 / 500	500
Total weight		kg / km	117	137	38.3	38.3	35	74.6

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Put-up File

BROADBAND

Put-up code	Put-up description	Number of reels / pallet	Pallet dimensions L x W x H mm
011	Non returnable reel 350 / 130 / 250	27	1200 x 1000 x 1050
014	Non returnable reel 630 / 300 / 445	8	1200 x 1000 x 1800
025	Non returnable reel 800 / 500 / 450	–	
028	Non returnable reel 315 / 130 / 200	44	1200 x 1000 x 1100
040	Non returnable reel 250 / 100 / 160	54	1200 x 1000 x 700
042	Non returnable reel 1000 / 500 / 500	–	
043	Non returnable reel 1250 / 600 / 600	–	
079	Non returnable reel 400 / 200 / 264	18	1200 x 1000 x 1050
091	Non returnable reel 1000 / 450 / 500	–	
092	Non returnable reel 430 / 100 / 200	20	1200 x 1000 x 1050
106	Non returnable reel 352 / 102 / 152	54	
151	RING 100M	on request	
152	RING 150M	on request	
153	RING 200M	on request	
172	BOX 325 x 325 x 83	100	1200 x 1000 x 1100
173	BOX 394 x 394 x 94	60	1200 x 1000 x 1100
174	BOX 394 x 394 x 129	42	1200 x 1000 x 1100
175	BOX 244 x 244 x 52	235	1200 x 1000 x 1100
178	UNREEL BOX 350 x 220 x 350	26	1200 x 1000 x 940
179	UNREEL BOX 410 x 230 x 410	20	1200 x 1000 x 1060
240	Non returnable reel 500 / 250 / 245	24	1200 x 1000 x 1900
241	Non returnable reel 560 / 250 / 320	6	1200 x 1000 x 1900
242	Non returnable reel 560 / 250 / 380	12	1200 x 1000 x 1900
245	Non returnable reel 800 / 400 / 450	–	
261	Non returnable reel 350 / 130 / 250	27	1200 x 1000 x 1050
293	Non returnable reel 1250 / 600 / 600	–	
422	BOX 325 x 325 x 83	100	1200 x 1000 x 1100
702	Non returnable reel 450 / 200 / 265	–	

Number of reels x length per reels = length per pallet

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