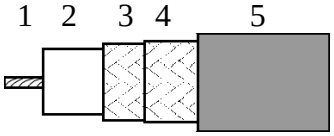
APPLICATION

Coaxial cables used for Radio-frequency designed according the International Standard IEC 1196.

CONSTRUCTION



1	Inner conductor	7x0.75 mm stranded silver plated copper
2	Dielectric	Solid PE
3	Braid layer 1	Silver plated copper
4	Braid layer 2	Silver plated copper
5	Sheath	PVC according the European Standard HD 624.

REQUIREMENTS AND TEST METHODS

Test methods in accordance with International Standard IEC 1196.

Mechanical characteristics

1. Inner conductor	
Construction:	7x0.75 mm
Diameter:	2.25 mm ± 0.03 mm
2. Dielectric	
Diameter:	7.25 mm ± 0.2 mm
3. Braid layer 1	
Diameter screen:	8.0 mm ± 0.25 mm
Coverage braid:	86% ± 4 %
4. Braid layer 2	
Diameter screen:	8.7 mm ± 0.25 mm
Coverage braid:	90% ± 4 %
5. Sheath:	
Diameter:	10.8 mm ± 0.2 mm
Tensile strength:	≥ 12.5 N/mm^2
Elongation at break:	≥ 150 %
Cable:	
Crush resistance of cable:	< 1% (load of 700N)
Storage/operating temperature:	-40°C to +70°C
Minimum installation temperature:	-5 °C
Minimum static bend radius:	110 mm

Electrical characteristics

Mean characteristic impedance:		50 ± 2 Ω
DC loop resistance:		≤ 9.1 Ω/km
DC resistance inner conductor:		≤ 6.0 Ω/km
DC resistance outer conductor:		≤ 3.1 Ω/km
Capacitance:		100 pF/m ± 3 pF/m
Velocity ratio:		0.66 ± 0.02
Insulation resistance:		> 10^4 MΩ.km
Voltage test of dielectric:		3 kVdc
Return loss at	100-1000 MHz:	≥ 23 dB
Power rating at	100 MHz:	760 W
	1000 MHz:	175 W

Attenuation at	Nominal
50 MHz:	4.3 dB/100m
230 MHz:	9.9 dB/100m
470 MHz:	14.9 dB/100m
860 MHz:	21.3 dB/100m
1000 MHz:	23.3 dB/100m

Maximum attenuation is 10% higher.

REVISIONS

#	Description	Date	Initials
2	Removed SE demand above 1000MHz	2010-02-22	PBo
3	Coverage braid layer 1 corrected to 86%	2015-05-01	RvN

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.