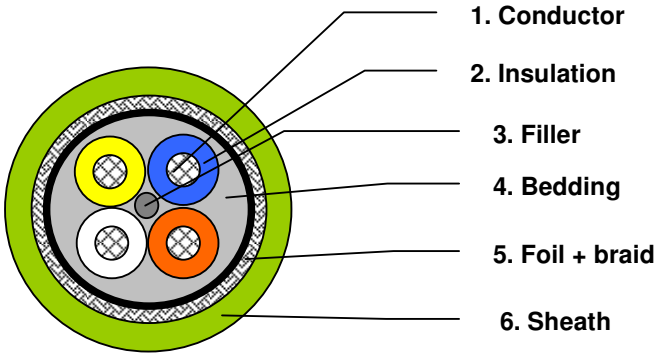
CONSTRUCTION



1.	**Conductor**	7x0.25 mm (22AWG) stranded tinned copper
2.	**Insulation**	
	Material	Polyolefin
	Diameter over insulation	1.57 ± 0.05 mm
	Colour of insulation	White, Blue and Yellow, Orange
3.	**Filler**	
4.	**Bedding**	
	Material	PVC
	Nom. Diameter	4.1 mm
5.	**Foil + Braid**	
	Material	Aluminium / Polyester
	Thickness	50 / 23 µm
	Coverage of braided screen	> 85%
6.	**Sheath**	
	Material	PUR
	Colour	Green RAL 6018
	Diameter over jacket	6.50 +/- 0.20 mm

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REQUIREMENTS AND TEST METHODS

Electrical:

ISO/IEC 11801 ed. 2.0, Cat.5.

Max. operating voltage UL	300	V rms
Test voltage wire-wire/wire-screen	2.5	kVdc
Maximum conductor DC-resistance @ 20˚C	57.1	Ω/km
Transfer impedance @ 10MHz	< 10	mOhm/m
Nom. velocity of propagation 68 %		
Delay	< 5.3	ns/m
Impedance @ 1 – 100 MHz	100 +/- 15	Ω

Frequency (MHz)	Nom. Attenuation (dB/100m)	Min. Next (dB)	Min. ELFEXT (dB/100m)	Min. SRL (dB)
1	2.1	65	64	-
4	4	56	52	23
10	6.3	50	44	25
16	8	47	40	25
31.25	11.4	43	34	23.6
62.5	16.5	38	28	21.5
100	21.3	35	24	20.1

Mechanical and physical:

Flame resistance	IEC 60332-1
Oil resistance	IEC 60811-2-1
Temperature range installing	- 5 to + 50 ˚C
Temperature range operating	- 25 to + 80 ˚C
Temperature range storage	- 40 to + 80 ˚C

Belden CDT believes 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.

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