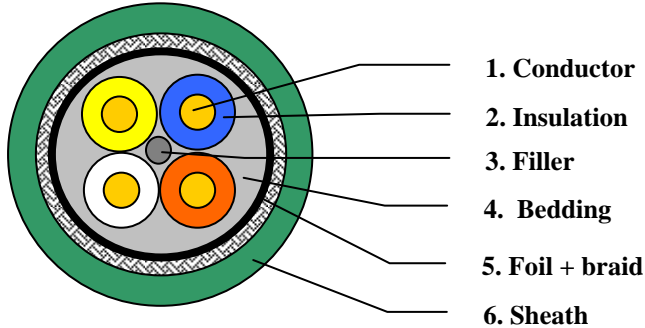



CONSTRUCTION



1. Conductor	0.65 mm (22AWG) bare copper wire
2. Insulation	
Material	PE
Diameter over insulation	1.50 ± 0.05 mm
Colour of insulation	White, Blue and Yellow, Orange
3. Filler	
4. Bedding	
Material	PVC
Nom. Diameter	3.90 mm
5. Foil + Braid	
Material	Aluminium / Polyester
Coverage of braided screen	> 85%
6. Sheath	
Material	PVC
Colour	Green RAL 6018
Nominal diameter over jacket	6.50 +/- 0.20 mm

	TECHNICAL DATA SHEET	code	70006E
		version	4
	2x2xAWG 22 (QUAD)	date	2013-12-13
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REQUIREMENTS AND TEST METHODS

Electrical:

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

Max. operating voltage

300 V rms

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	65.3	64	-
4	4.1	56.3	52	23
10	6.5	50.3	44	25
16	8.3	47.2	40	25
31.25	11.7	42.9	34	23.6
62.5	17	38.4	28	21.5
100	22	35.3	24	20.1

Mechanical and physical:

Flame resistance

IEC 60332-1

Oil resistance

IEC 60811-2-1

Temperature range during installation

-15 / +60 °C

Temperature range during operation

-40 / +80 °C

Temperature range storage

-40 / +80 °C



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.