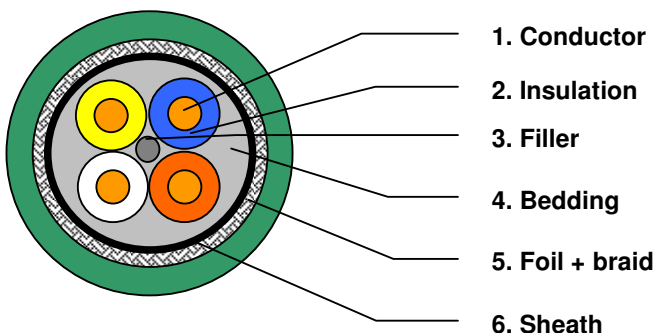


<b>TECHNICAL DATA SHEET</b>	Code	<b>70006E</b>
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## CONSTRUCTION



<b>1. Conductor</b>	0.65 mm (22AWG) bare copper wire
<b>2. Insulation</b>	
Material	PE
Diameter over insulation	1.50 ± 0.05 mm
Colour of insulation	White, Blue and Yellow, Orange
<b>3. Filler</b>	
<b>4. Bedding</b>	
Material	PVC
Nom. Diameter	3.90 mm
<b>5. Foil + Braid</b>	
Material	Aluminium / Polyester
Thickness of aluminium	50µm
Coverage of braided screen	> 85%
<b>6. Sheath</b>	
Material	PVC
Colour	Green RAL 6018
Nominal 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

Maximum 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	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.