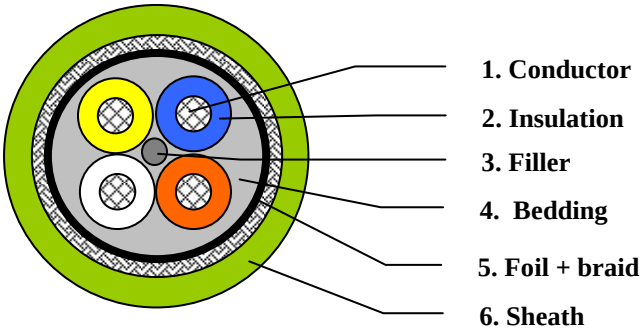
Buskabel

Kabelbezeichnung	Farbkennung	Leiter	Mantel		
			Ø mm	Werkstoff	Farbton
Buskabel • ProfiNet • Typ A					
STL 461					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG massiv	6,5	PVC, geschirmt	Grün
STL 462					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG massiv	6,5	FRNC, geschirmt, halogenfrei	Grün
STL 463					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG massiv	6,5	PUR, geschirmt, halogenfrei	Grün
Buskabel • ProfiNet • Typ B					
STL 464					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG (7xØ 0,25 mm)	6,5	PVC, geschirmt	Grün
STL 465					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG (7xØ 0,25 mm)	6,5	FRNC, geschirmt, halogenfrei	Grün
STL 466					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG (7xØ 0,25 mm)	6,5	PUR, geschirmt, halogenfrei	Grün
Buskabel • ProfiNet • Typ C					
STL 467					
	verseilt Quad: Weiß/Blau Gelb/Orange	2x2x22 AWG (19xØ 0,15 mm)	6,5	PUR, geschirmt, halogenfrei	Grün

CONSTRUCTION



1.	**Conductor**	7x0.25 mm (22AWG) stranded tinned copper
2.	**Insulation**	
	Material	Polyolefin
	Diameter over insulation	1.57 ± 0.0.5 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 of aluminium	50 µm
	Coverage of braided screen	> 85%
6.	**Sheath**	
	Material	PVC oil resistant
	Colour	Green RAL 6018
	Diameter over jacket	6.50 +/- 0.2 mm
	Colour	green RAL 6018

REQUIREMENTS AND TEST METHODS

Electrical:

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

Max. operating voltage UL	300 V rms
Test voltage wire-wire/wire-screen	2.5kVdc
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	43	34	23.6
62.5	17.0	38.4	28	21.5
100	22.0	35.3	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.