APPLICATION

Instrumentation and computer cable for Data Transmission applications such as Profibus DP Indoor use.

CONSTRUCTION

1. Conductor
2. Insulation
3. Filler (2x)
4. Foil
5. Braiding
6. Sheath
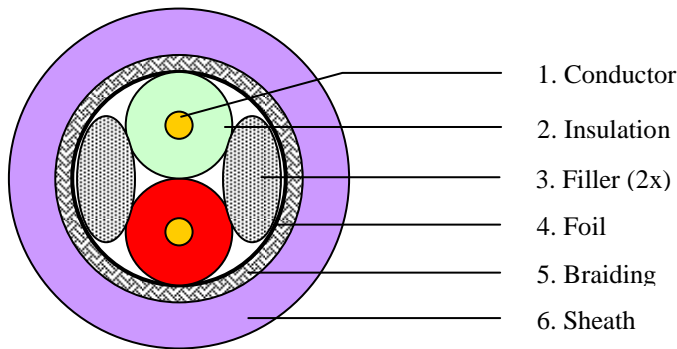
1.	**Conductor**	AWG22 solid bare Cu
2.	**Insulation**	
	Material	Foamed Polyethylene
	Diameter over insulation	2.45 ± 0.10 mm
	Colour of insulation	Red and green
3.	**Filler (2x)**	
	Material	polypropylene
4.	**Foil**	
	Material	Aluminium / Polyester
5.	**Braiding**	
	Material	Tinned Cu
	Coverage	65%
6.	**Sheath**	
	Material	FRNC/LSNH
	Colour	Violet or Grey
	Nominal diameter over sheath	7.80 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	52 Ω/km
Nominal capacitance conductor to conductor @ 1kHz	30 pF/m
Impedance (3 – 20 MHz)	150 ± 15 Ω
Maximum attenuation @ 0.2 MHz	0.9 dB/100m
Maximum attenuation @ 4 MHz	2.2 dB/100m
Maximum attenuation @ 16 MHz	4.5 dB/100m

*Nominal values are for information only.

Mechanical and physical:

Halogenfree	IEC 60754-1 and IEC 60754-2
Flame resistance	IEC 60332-1
Temperature range installing	-15 to +70 ˚C
Temperature range operating (moving installation)	-15 to +70 ˚C
Temperature range storage	-40 to +70 ˚C
Minimum bending/setting radius	10 x / 5x cable diameter

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.