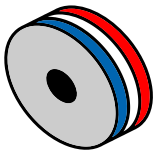
329842-00 SF/UTP 2P AWG24 120 OHMS XL-LSZH Update A



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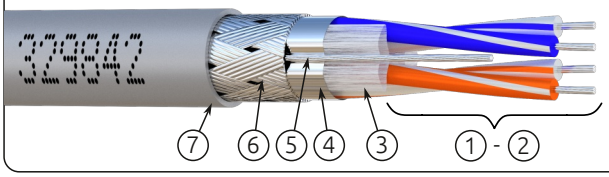

Construction	
Inner conductor	1 - 2
Material	Tinned copper
Diameter	AWG24 = 7×Ø 0.20 ± 0.005 mm
Insulation	1 - 2
Material	HDPE
Diameter	Ø 1.8 ± 0.10 mm
Assembly	
2 pairs	
Colors	See color tables
Filler	3
Material	Plastic ropes
Screening	4
1rst Layer	
Material	Alu/PET (Alu side out)
Coverage	≥ 115%
Drain wire	5
Material	Tinned copper
Diameter	AWG24 = 7×Ø 0.20 ± 0.005 mm
Screening	
2nd Layer	6
Material	Tinned copper braid
Coverage	≥ 90%
Sheath	7
Material	XL LSZH Grey 7004
Thickness	≥ 0.7 mm
Diameter	Ø 8.65 ± 0.2 mm
Weight	
Linear mass	108 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	SF/UTP 2P AWG24 120 OHMS XL-LSZH - CE - elbaC 329842 - DDDDD - XXX m
Color / Process	Black pigment ink / Ink jet
Step	1 m

Electrical characteristics	
Conductor DC resistance at 20°C	≤ 84.8 Ω/km
Impedance	120 Ω
Nominal Velocity Ratio	66%
Mutual pair capacitance at 1kHz	42 pF/m ± 10%
Capacitance pair to shield at 1kHz	76 pF/m ± 10%
Attenuation at 1MHz	1.98 dB/100m
Dielectric strength	2 kV AC
Insultation resistance (500V)	> 5000 MΩ.km
Voltage rating	300 V DC

Color table

Pairs	Colors A		Colors B	
1	Blue/White		White/Blue	
2	Orange/White		White/Orange	

Thermal characteristics	
CPR fire reaction class	E_{ca}
Storage / Transport / Installation	-10 / 50°C
Operation	-20 / 75°C

Mechanical characteristics	
Maximum pulling tension	150 N
Bending radius - installed	70 mm
Bending radius - during installation	80 mm

Meet Standards

Fire performance :	IEC 60332-1
	NF C 32-070 Classe C2
	EN 50575:2014/A1:2016 E_{ca}
Environment :	European directive 2011/65/EU
Marking :	CE

Packaging

- W5 : 500m / Wooden drum

Notes

Cable for bus EIA - RS 485

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