

Copper Cable, category 7A, 4 pair, simplex, S/FTP, LSFRZH, 22 AWG solid, 1000 m reel, white

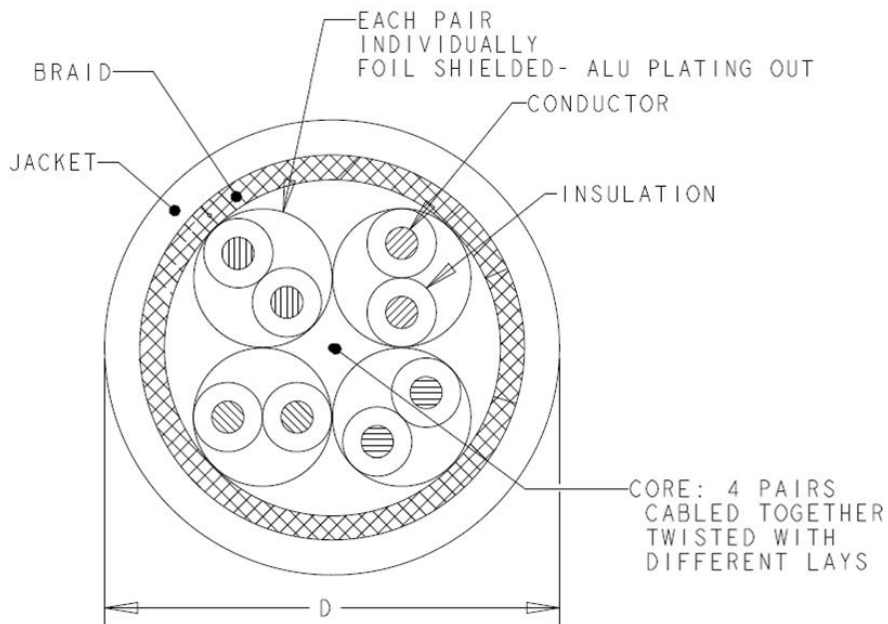
Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	EMEA

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca s2 d1 a1
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Cross Section Drawing



Construction Materials

Jacket Material	Low Smoke Fire Retardant Zero Halogen (LSFRZH)
Conductor Material	Bare copper
Insulation Material	Foamed polyethylene (FPE)
Shield (Tape) Material	Aluminum/Polyester

Dimensions

Cable Length	1000 m 3281 ft
Cable Weight	63.00 kg/km
Diameter Over Jacket Tolerance	±0.3 mm
Diameter Over Jacket, nominal	7.800 mm 0.307 in

Electrical Performance

Freq. MHz	Att. Typ. dB	ACR Typ. dB	PSNEXT		PSELFEXT	RL	
			Min. dB	Typ. dB	Min. dB	Min. dB	Typ. dB
4	3.5	90	82	90	79	23	35
10	5.4	88	82	90	71	25	40
16	6.8	86	82	90	67	25	40
20	7.6	85	82	90	65	25	40
31.25	9.6	83	82	90	61	25	40
62.5	14	79	82	90	55	25	40
100	18	76	82	90	51	23	40
125	20	73	82	90	49	22	38
200	25	68	82	90	45	21	35
250	27	66	82	90	43	20	35
300	30	63	82	90	41	20	30
600	43	45	75	85	35	20	27
800	49	37	75	83	32	19	25
1000	57	29	75	83	31	18	25
1200	63	22	75	82	29	17	22

Electrical Specifications

ANSI/TIA Category	7A
Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±5 ohm
Delay Skew, maximum	12 ns
Nominal Velocity of Propagation (NVP)	80 %
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-6-1 ISO/IEC 11801 Class FA
Safety Voltage Rating	240 V

Environmental Specifications

Acid Gas Test Method	IEC 60754-2
Installation Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	S/FTP (shielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Conductor Gauge, singles	22 AWG
Conductor Type, singles	Solid
Conductors, quantity	8

Mechanical Specifications

Pulling Tension, maximum 11 kg | 25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

