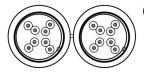


Product: <u>1668ENH</u>



Category 5e Cable, 2 x 4 Pair, F/UTP, LSZH Indoor CPR Eca

Product Description

Category 5e Premise Horizontal Cable (100MHz) shotgun, 2 x 4-Pair, 24 AWG solid bare copper conductors, F/UTP, Polyethylene insulation, Beldfoil® shield, AWG 26 solid tinned copper drainwire, LSZH jacket

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building backbone cable; Support current and future Category 5e applications, such as: 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM

Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs
Individual Pair	24 AWG	Solid	BC - Bare Copper	8

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Individual Pair	PE - Polyethylene	1.05 mm (0.0413 in)	White/Blue & Blue, White/Green & Green, White/Orange & Orange, White/Brown & Brown

Cable Core

Description
4 pairs twisted together covered with a polyester foil

Outer Shield

Shield Type	Material		Coverage	Drainwire Type
Таре	Bi-Laminate (Alu	m+Poly)	100%	26 AWG (Solid) TC
Table Notes:		Aluminu	m facing out	tside in contact with d

Outer Jacket

Material		Nom. Diameter	
LSZH - Low Smoke Zero Halog	LSZH - Low Smoke Zero Halogen (Flame Retardant) 6 mm (0.24 in)		
Table Notes:	Figure 8 construction	Figure 8 construction	
Overall Cable Diameter (Nominal):	6 mm (0.24 in)		

Electrical Characteristics

Electricals							
Max. Conductor DCR	R Max. Mutual Capacita	nce Max.	Capacitance Unbala	ance Nor	n. Characteristi	c Impedance	
95 Ohm/km	56 pF/m (17 pF/ft)	160 p	F/100m	100	Ohm		
Dalau							
Delay Max. Delay Skew No	Malasity of Bron						
40 ns/100m 60	, , , , , , , , , , , , , , , , , , ,						
40 ms/100m 60	J7⁄0						
High Frequency							
Frequency Ma	ax. Insertion Loss N	Ain. NEXT	Min. PSNEXT M	lin. ACR	Min. PSACR	Min. ACI	

100	21.3 dB/100m	35.3	32.3	14	11	24	21	20.1	20	
62.5	16.5 dB/100m	38.4	35.4	21.9	18.9	28.1	25.1	21.5	22	
31.25	11.4 dB/100m	42.9	39.9	31.5	28.5	34.1	31.5	23.6	25.1	5.5
20	9 dB/100m	45.8	42.8	36.8	33.8	38	35	25	27	9
16	8 dB/100m	47.2	44.2	39.2	36.2	39.9	36.9	25	28	10.9
10	6.3 dB/100m	50.3	47.3	44	41	44	41	25	30	15
4	4 dB/100m	56.3	53.3	52.32	49.3	52	49	23	34	23
1	2.1 dB/100m	65.3	62.3	63.2	60.2	64	61	20	40	35

Transfer Impedance

Frequency	Max. Transfe	Impedance
1 Mhz	Max. 50 mOhi	ı/m
10 Mhz	Max. 100 mOl	m/m
30 Mhz	Max. 200 mOI	m/m
100 Mhz	Max. 1000 mC	hm/m
Transfer Imp	pedance Class:	Grade 2
Screening C	Class:	Type II
Table Notes		Coupling

Voltage

Voltage Rating

72 V DC

Mechanical Characteristics

Temperature

Operating	Installation
-30°C to +60°C	0°C To +50°C

Bend Radius

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
IEEE Compliance:	PoE: IEEE 802.3bt Type 1, Type 2, Type 3
Data Category:	Category 5e
TIA/EIA Compliance:	ANSI/TIA 568.2-D
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61034-2 - Smoke Density Min Transmittance = 60%
CENELEC Compliance:	EN 50173-1, Segregation class according EN50174-2 = a
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark
Product Notes	
Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system.
History	

Update and Revision:

Part Numbers

Varia	ants

Item #	Color	Putup Type	Length	EAN
1668ENH.00500	Gray, RAL 7032	Reel	500 m	8719605003195

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