



CAT5e

INDUSTRIAL NETWORKING CABLE

This product is a range of 100 Ohm 4 pair Cat5e Industrial Ethernet Cables designed to meet the demanding requirements of the industrial environment. They are available in standard PVC or flame retardant non corrosive jackets with a choice of stranded conductors for enhanced flexibility and flexural endurance or solid conductors for better transmission properties.

Description

- Application: 100BASE-T4, 100BASE-TX, 100VG-AnyLAN, 155Mbps ATM, 622Mbps ATM, 1 Gb Ethernet
- Rated Temperature: 80°C
- Reference Standard: ANSI/TIA 568C-2.1, EN 50173-6, IEC 11801
- Flammability Rating: IEC 60332-2-1
- For LSZH FRNC Jacket, Halogen Free: IEC 60754-2
- Ozone Resistance: EN50306-3 Procedure B for Flame retardant non corrosive jackets only
- For PVC Jacket Oil Resistance: EN50306-3 24h @ 70°C IRM 902
- Low Smoke: IEC 61034 - 2 for Flame retardant non corrosive jackets only
- Solid Copper Conductor / stranded tinned copper conductor
- Colour-coded Insulation
- Optional with LSZH FRNC Jacket or PVC Jacket
- UV resistance - EN 50289-4-17

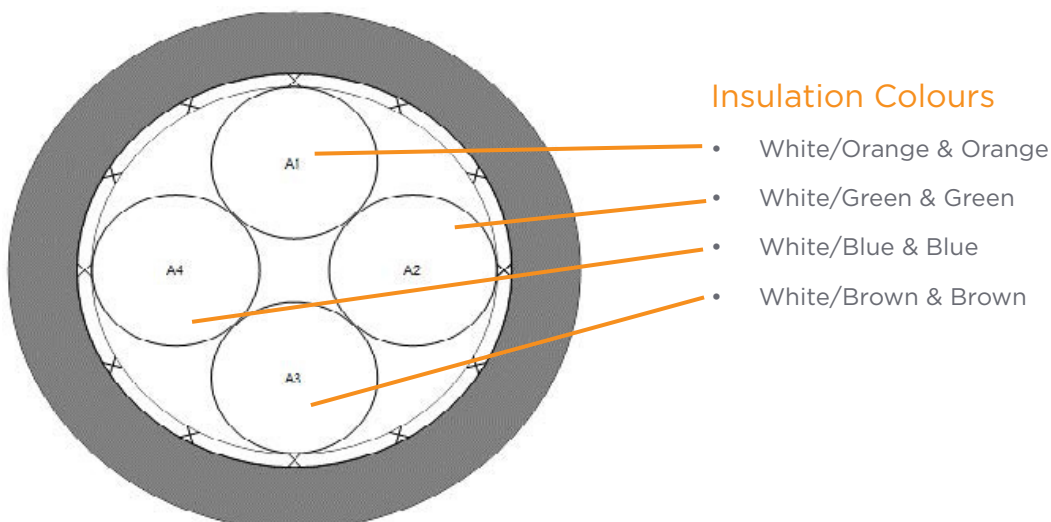
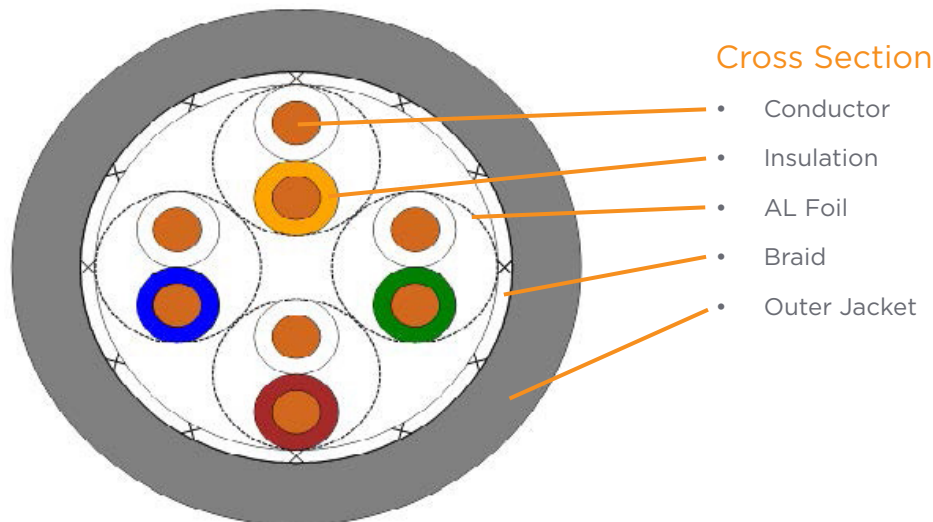
Applications

- Industrial Switches, routers, servers, hubs
- Industrial Network Interface Cards (NIC)
- Industrial Automation
- PLC/ HMI/ Data Acquisition
- Machine Control
- Sensor Systems
- Trackside control cabinets

CAT5e 4 Pairs: 100 MHz

Part Description	Part Number	Description	Jacket	Colour	Reel Length	Cable OD	Cable weight
		(AWG)			(m)	(mm)	(KG/305m)
TECC0012C5	2294955-1	24 SF/UTP CAT5e PVC (Shielded)	PVC	Grey	305	7.3+/-0.3	18.61
TECC0013C5	2294958-1	24 SF/UTP FRNC CAT5e (Shielded)	LFH	Purple	305	7.3+/-0.3	18.91
TECC0014C5	2294959-1	24 U/FTP PVC CAT5e wrap	LFH	Purple	305	7.3+/-0.3	17.39
TECC0015C5	2294960-1	24 U/FTP PVC CAT5e	PVC	Grey	305	7.3+/-0.3	17.08
TECC0016C5	2294961-1	26 SF/UTP FRNC CAT5e (Shielded)	LFH	Purple	305	6.8+/-0.3	14.34
TECC0017C5	2294962-1	26 SF/UTP CAT5e PVC (Shielded)	PVC	Grey	305	6.8+/-0.3	14.34

Note: CAT 6 Cables are available on request.



Electrical Characteristics Continued (24AWG conductor sizes)

Frequency	Impedance	ATT	RL	PSNEXT	PSELFEXT	PSACR
(MHz)	(Ohms)	(dB/100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)
1	100 ± 15	2.5	20.0	62.3	60.8	59.8
4	100 ± 15	4.9	23.0	53.3	48.7	48.4
8	100 ± 15	6.9	24.5	48.8	42.7	41.9
10	100 ± 15	7.8	25.0	47.3	40.8	39.5
16	100 ± 15	9.9	25.0	44.3	36.7	34.4
20	100 ± 15	11.1	25.0	42.8	34.7	31.7
25	100 ± 15	12.5	24.3	41.3	32.8	28.8
31.25	100 ± 15	14.1	23.6	39.9	30.9	25.8
62.5	100 ± 15	20.4	21.5	35.4	24.8	15.0
100	100 ± 15	26.4	20.1	32.3	20.8	5.9