



SPECIFICATION CONTROL DRAWING

TECC0017C5

Issue 7
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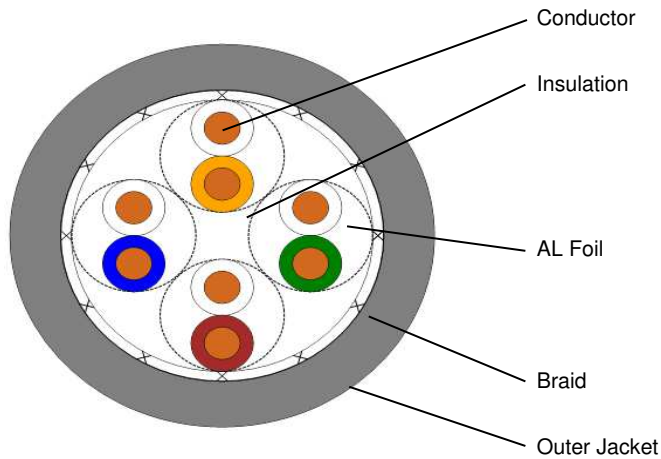
COMMUNICATION CABLE - FOUR PAIR 26AWG S/FTP PVC CAT5e

The complete requirements for procuring the wire described herein shall consist of this document and the issue in effect of the referenced specifications. This document takes precedence over documents referenced herein.

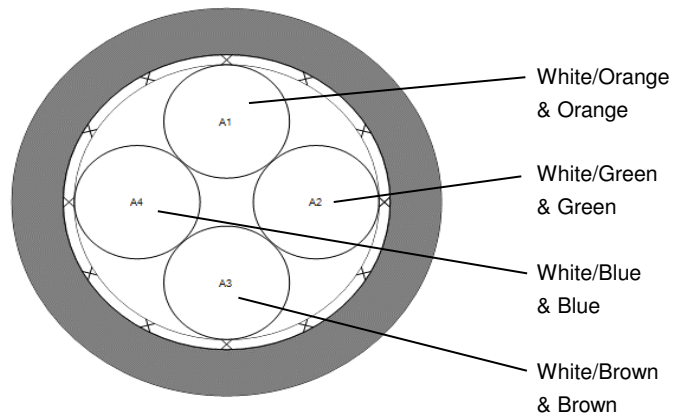
PRODUCT DETAILS

DESCRIPTION		PHYSICAL CHARACTERISTICS		
<p>Application: 100BASE-T4, 100BASE-TX, 100VG-AnyLAN, 1000Base-T, 1000Base-TX 155Mbps ATM, 622Mbps ATM, 1 Gb Ethernet</p> <p>Rated temperature: 80°C</p> <p>Reference Standard: ANSI/TIA 568C-2.1, EN 50173-6, IEC 11801</p> <p>Flammability Rating: IEC 60332-2-1</p> <p>UV Resistance: EN 50289-4-17</p> <p>Stranded Tinned Copper Conductor</p> <p>Colour-coded Insulation</p> <p>PVC Jacket</p> <p>Packaging: Per customer request</p>		Structure	Construction Number of Pairs	S/FTP 4 Pairs
		Conductor	AWG Conductor material Conductor dimension(mm)	26 AWG Stranded Annealed Cooper 7 / 0.16mm
		Insulation	Insulation material Insulation dimension(mm) Nom. Thickness (mm)	Polyolefin 0.98 ± 0.05 mm 0.22 mm
		Cabling	Twisting lay length Cabling lay length	≤ 30 mm ≤ 200 mm
		Filler	Material	N/A
		Binder	Material	N/A
		Shield	Individual shield & material Primary overall shield & material Shield nom. Coverage Drainwire	AL-Foil Stranded Tinned Copper 65% Min. 7 / 0.16 mm
		Outer Jacket	Outer Jacket material Outer Jacket Thickness (mm) Overall Nom Dimension (mm) Outer Jacket Rip cord Outer Jacket Colour	PVC 0.80 mm Nom. 6.80 ±0.3 mm N/A Per Customer Request
			MECHANICAL CHARACTERISTICS	
			Outer Jacket	Storage Temp Range Operating Temp Range Bulk Cable weight Max. recommended pulling tension Min. bend radius (Install) Heat Ageing UV Resistance Cold Bend Heat Shock
		ELECTRICAL CHARACTERISTICS		
		Finished Cable	Nom. mutual capacitance Conductor DCR Max. operating voltage - UL	≤ 56 pF/m (@1kHz) ≤ 14.5Ω/100m 300 V
		JACKET MARK		
		<p>"TE CONNECTIVITY - TECC0017C5 - 4PR 26AWG STRANDED CAT 5e ANSI/TIA 568C-2.1, EN 50173-6, ISO/IEC 11801 80°C CABLE - YEAR OF MANUFACTURE - BATCH NUMBER-<metre mark>"</p>		

CROSS SECTION



INSULATION COLOURS



Tyco Electronics UK Ltd
Faraday Road
Dorcan
SWINDON
SN3 5HH
Tel: +44 (0)1793 528171
Fax: +44 (0)1793 572516

TE Connectivity is a trading name of Tyco Electronics UK Ltd, which is registered in England and Wales, number 550926. Registered office: Faraday Road, Dorcan, Swindon, SN3 5HH
Website: www.te.com

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ELECTRICAL CHARACTERISTICS CONTINUED

Frequency	Impedance	ATT	RL	PSNEXT	PSELFEXT	PSACR
(MHz)	(Ω)	(dB/100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)
1	100±15	3.2	20.0	62.3	60.8	59.1
4	100±15	6	23.0	53.3	48.8	47.3
10	100±15	9.5	25.0	47.3	40.8	37.8
16	100±15	12.1	25.0	44.3	36.7	32.2
20	100±15	13.6	25.0	42.8	34.8	29.2
25	100±15	15.3	24.3	41.3	32.8	26.0
31.25	100±15	17.1	23.6	39.9	30.9	22.8
62.5	100±15	24.8	21.5	35.4	24.9	10.6
100	100±15	32	20.1	32.3	20.8	-0.3

Note 1: Cable that meet the requirements of the template are not required to be measured for return loss ; alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.
 Note 2: If FEXT loss is greater than 70dB, ACR-F loss may not be measured.