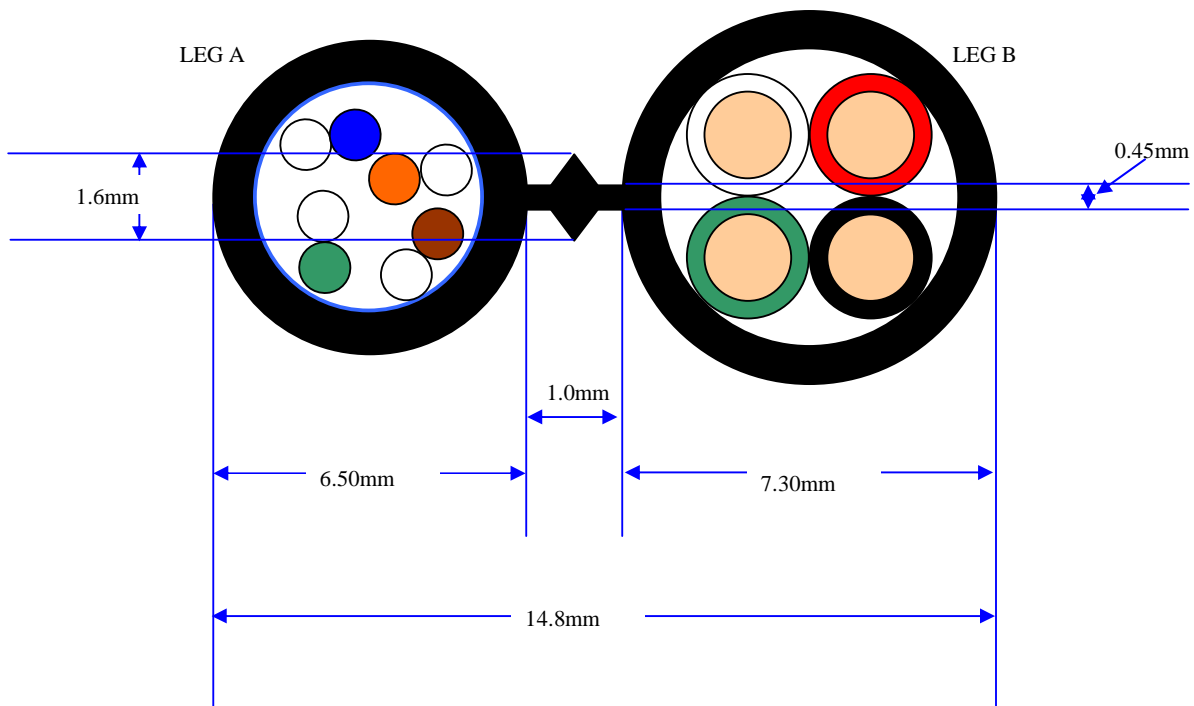


DESCRIPTION: CAT5E FTP PATCH & 4X1.5MM² SHOTGUN

MECHANICAL DATA

- 1.1. Inner Elements: LEG A: CAT5E FTP PATCH
LEG B: 4X1.5MM² SPEAKER CABLE
- 1.2. Construction: 2 cables parallel in shotgun sheath
- 1.3. Sheath: LSOH.
- 1.4. Diameter: 6.75 / 7.50 x 14.8 ± 0.20mm Nominal.
- 1.5. Weight: 130 kg/km Nominal.
- 1.6. Marking: As per order.



LEG A:

CATEGORY 5E F/UTP PATCH

4x2x7x0.16mm (AWG 26)

100Ω Data Cable IEC 61156-6 CAT-5

100Ω Data Cable EN50288-2-2: 100MHz

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
IEEE 802.5 16 MB; ISDN; FDDI; ATM

Standards

IEC 61156-5; EN 50288-2-1

Fire rating

IEC 60332-1

Construction

Conductor	bare copper wire Ø 7x0.16mm (AWG26)
Insulation	Solid Polyethylene, Ø 0.97 mm nom
Twisting	2 cores to the pair
Cable lay up	1x4 pairs to the core
Pair screen	N/a
Overall screen	Al-laminated plastic foil,

Mechanical Properties

Bending radius	without load	8 x (OD)
	with load	12 x (OD)
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical Properties

at 20°C± 5°C

DC loop resistance		≤ 248 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 2000 MΩxkm
Capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair to ground)	≤ 1500 pF/km
Return Loss	(100 MHz)	23.0dB
Nominal velocity of propagation		approx. 66%
Propagation delay		≤ 427 ns/100 m
Delay skew		≤ 12 ns/100 m
Test voltage	(DC, 1 min) Core/Core and Core/Screen	1000 V

Electrical Data Nominal

F (MHZ)	Attenuation (dB/10m) Nominal	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1.0	0.3	70	67	68	63	23
4.0	0.6	62	59	56	53	23
10.0	0.9	56	53	48	45	25
16.0	1.1	53	50	44	41	25
20.0	1.3	51	48	42	39	24
31.2	1.6	49	46	38	35	22
62.5	2.4	44	41	32	29	20
100.0	3.0	41	38	28	25	18

LEG B:

DESCRIPTION: 4 X 1.50mm²

CONFORMS TO: TVC – AI 16/4-LH

MECHANICAL DATA

- 2.1. Inner Conductor: 30/0.25mm Plain Bunched Conductor.
Nominal Diameter = 1.60 ± 0.002 mm
- 2.2. Core Insulation: 2.25 ± 0.10 mm diameter PVC.
Colours: Red, Green, Black, White
- 2.3. Construction: 4 Cores cabled together as a quad in RHL with ID threads with a longitudinal ripcord