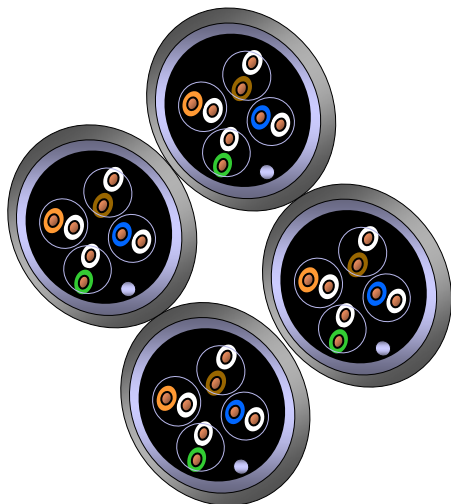


Category 5 (Type) F/UTP 4 Way

J-2Y(St)Y 4x2x0.51 (AWG 24)
Canford 5e F J 4

100□ Audio / Data Cable



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
 IEEE 802.3: 10Base-T;

Standards

Generally to - ISO/IEC 11801 2nd ed; IEC 61156-5
 Generally to - EN 50173; EN 50288-3-1

Fire rating

IEC 60332-2-1

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	High Performance-FTP: Al-laminated plastic foil,
Sheath	PVC
4 Way Lay up	OD 16mm

Category 5 (Type) F/UTP 4 Way

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
Weight		212kg/km

Electrical Properties

at 20°C± 5°C

DC loop resistance		≤ 169 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 2000 MΩxkm
Capacitance	at 800 Hz	Nom. 50 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		≤ 45 ns/100 m
Test voltage	(DC, 1 min) Core/Core and Core/Screen	1000 V

F (MHZ)	Attenuation (dB/100m) Nominal	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1.0	3.5	58	55	60	58	16
4.0	6.6	49	46	48	47	18
10.0	10.5	43	40	42	38	20
16.0	13.3	40	37	38	34	20
20.0	14.9	38	35	36	32	20
31.2	18.8	36	33	32	28	18
62.5	N/A	N/A	N/A	N/A	N/A	
100.0	N/A	N/A	N/A	N/A	N/A	

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