



Fusion Cat 5e Unshielded Twisted Pair (UTP) Euroclass Dca Cable

Supplied in reinforced no snag 'easy reel' boxes – 305M (1000ft) solid core unshielded cable.

Part Number: T70-6811



Features:

- Euroclass reaction to fire: D-s2,d2,a1 (BS EN 13501-6:2014)
- Heavy duty box with plastic reinforced handle grip
- 25 year system warranty
- Meter marked 305-0m
- Meets ANSI/TIA-568-C.2 EN 50173:2007 and ISO/IEC 11801 category 5e requirements

Structure:

Conductor:	24AWG solid bare copper
Insulation:	HDPE
Jacket:	PVC
Overall diameter:	4.7mm
Colour:	Violet

Reaction To Fire

Euroclassification:	D-s2,d2,a1	(BS EN 13501-6:2014)
Fire Behaviour:	Dca	(BS EN 50399:2011+A1:2016)
Smoke Production:	s2	(BS EN 50399:2011+A1:2016)
Flaming Droplets:	d2	(BS EN 50399:2011+A1:2016)
Acid Gas Emission/Acidity:	a1	(BS EN 60754-2:2014)

Electrical Characteristics

Impedance:	1-100MHz 100±15 (ohms)
D-C Resistance Unbalance (%):	Max 2.5
D-C Resistance (20°C):	≤93.8 (ohms/KM)
Pair-to-Ground Capacitance Unbalance:	330(pF/100M)
Insulation Resistance:	>5000MΩ.KM
Dielectric strength:	DC 2500V 2S

Indicators

Frequency (MHz)	RL (dB)	Attenuation (dB/100m)	DOP (ns)	SWK (ns)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSELFEXT (dB)
1	20.0	2.0	570	45.0	65.3	62.3	63.8	60.8
4	23.0	4.1	552	45.0	56.3	53.3	51.8	48.8
10	24.5	6.5	545	45.0	50.3	47.3	43.8	42.7
16	25.0	8.2	543	45.0	47.2	44.2	39.7	36.7
20	25.0	9.3	542	45.0	45.8	42.8	37.8	34.8
31.25	23.6	11.7	540	45.0	42.9	39.9	33.9	30.9
62.5	21.5	17.0	539	45.0	38.4	35.4	27.9	24.9
100	20.1	22.0	538	45.0	35.3	32.3	23.8	20.8

Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested

Issue date: 10/08/2017



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