

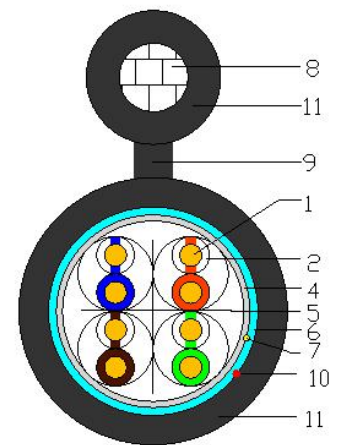
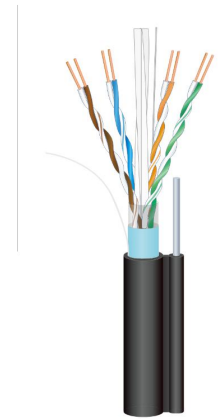


LAN CABLE Braun Group FTP CAT6 PE Mess

Cable type: CAT6 FTP 4P 23AWG PE-M

- Reference standard: ANSI/TIA 568C & YD/T1019
- Application : For network cabling systems, including 10/100/1000 Base-T, performance to meet the standard requirements
- Rated voltage:30V

Construction		
1.Conductor (mm)	Solid bare copper 0.57±0.01	
2.Insulation (mm)	HDPE 1.1±0.08	
3.Color Code	White-Blue(Stripe)/Blue White-Orange(Stripe)/Orange White-Green(Stripe)/Green White-Brown(Stripe)/Brown	
4.Wrapping (mm)	PET tape	
5.Cross	Yes	
6.Screen (mm)	Al foil	
7.Drain wire (mm)	0.4 Tinned copper	
8.Steel wire(mm)	Galvanized steel wire 1.2±0.01	
9.Web	0.5*1.0	
10.Rip cord	630D	
11.Jacket (mm)	Material	PE
	Nom.thickness for messenger	0.7
	Nom.thickness for cable	0.6
	Color	Black
	Nom.diameter	(7.8*11.8)±0.5
Printing	According to customer	



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Mechanical characteristics	
Operating temperature	-40~70°C
Installation temperature	0~70°C
Tensile strength.Max	110N
Bending radius	25D
Flame resistant	—
Length of Delivery	305m/drum

Electrical characteristics(20°C)	
Conductor resistance .Max	9.5Ω/100m
Conductor resistance unbalance .Max	2.5%
Insulation resistance(DC 500V/1 min) .Min	5000MΩ·km
Dielectric strength (C-C, .DC.1min)	1kV
Mutual capacitance .Max	5.6nF/100m
Propagation Delay Skew(1MHz~100MHz:).Max	45ns/100m

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (ns/)	Return Loss (dB)
1	3	65.0	62.0	64.2	61.2	498	19.1
4	3.5	64.1	61.8	52.1	49.1	498	21.0
8	5	59.4	57.0	46.1	43.1	498	21.0
10	5.5	57.8	55.5	44.2	41.2	498	21.0
16	7.0	54.6	52.2	40.1	37.1	498	20.0
20	7.9	53.1	50.7	38.2	35.2	498	19.5
25	8.9	51.5	49.1	36.2	33.2	498	19.0
31.25	10.0	50.0	47.5	34.3	31.3	498	18.5
62.5	14.4	45.1	42.7	28.3	25.3	498	16.0
100	18.6	41.8	39.3	24.2	21.2	498	14.0
200	27.4	36.9	34.3	18.2	15.2	498	11.0
250	31.1	35.3	32.7	16.2	13.2	498	10.0

*The electrical characteristics in the above table is for 90 meters Perm.Link test.

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