

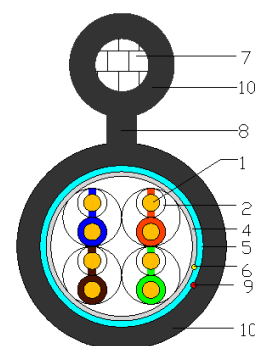
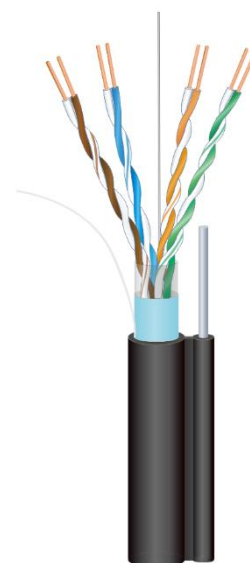
HSYYPC5E PE

## LAN Cable Braun Group FTP Cat5e PE MES - CPR Eca

Cable type: CAT5E FTP 4P 24AWG 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 0.49±0.01	
2.Insulation (mm)	HDPE 0.98±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.Screen (mm)	Al foil	
6.Drain wire (mm)	0.4 CCA	
7.Steel wire(mm)	1.2±0.01	
8.Web	0.5*1.0	
9.Rip cord	630D	
10.Jacket (mm)	Material	PE
	Nom.thickness for messenger	0.6
	Nom.thickness for cable	0.5
	Color	Black
	Nom.diameter	(6.0*9.7)±0.5
Printing	According to customer	



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Mechanical characteristics	
Operating temperature	-40~70℃
Installation temperature	0~70℃
Tensile strength.Max	80N
Bending radius	15D
Flame resistant	—
Length of Delivery	305m/drum

Electrical characteristics(20℃)	
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	3.0	60.0	57.0	57.4	54.4	580	17.0
4	4.5	53.5	50.5	45.4	42.4	562	17.0
8	6.3	48.6	45.6	39.3	36.3	557	17.0
10	7.1	47.0	44.0	37.4	34.4	555	17.0
16	9.1	43.6	40.6	33.3	30.3	553	17.0
20	10.2	42.0	39.0	31.4	28.4	552	17.0
25	11.4	40.3	37.3	29.4	26.4	551	16.0
31.25	12.9	38.7	35.7	27.5	24.5	550	15.1
62.5	18.6	33.6	30.6	21.5	18.5	549	12.1
100	24.0	30.1	27.1	17.4	14.4	548	10.0

\*The electrical characteristics in the above table is for 100 meters (Channel) test.

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