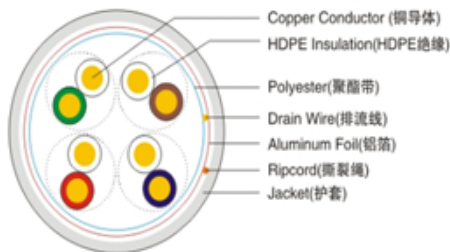


50973, 50975:CAT 5e network cable, F/UTP, grey **TECHNICAL DATA SHEET**
100Ω CAT5 FTP 4pairs cable category5 - 100MHz -Eca LSZH



Insulation / Pairs Color			
Pairs #	Color	Pairs #	Color
1	White/Blue; Blue	2	White/orange; Orange
3	White/Green; Green	4	White/Brown; Brown



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE: Bare copper	Max.linear tesistance.	Ω/km	≤105
DIAMETER: 0.51mm±0.005mm	Mutual capacity(nom.)	pF/m	56
AWG: 24 AWG	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
2-INSULATION	Unbalance Conductor DC Resistan (%)		≤3
TYPE: HDPE	Characteristic impedance (1 at 100 MHz)	Ω	100±15
DIAMETER: 1.03mm ±0.05mm	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
3-SYNTHETICAL SEPARTION FOIL:	Marking		
polyester PET	CAT 5e network cable, F/UTP, grey		
4-DRAIN WIRE: 0.5mm CCS	CU, AWG 24/1 (solid), LSZH		
5-SHIELDING: Al Foil 0.05	Reaction to fire: Eca; EN 50575:2014+A1: 2016		
6- BRAIDING:			
7-RIP CORD YES			
8-OUTER JACKET			
TYPE: Eca LSZH			
COLOUR: Grey			
THICKNESS: 0.55mm±0.05mm			
EXTERNAL DIAMETI 6.2 mm±0.5mm			

Test Request: Network Analyzer 100m

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20,0	2,0	56,3	57,8	60,8	65,8
4	23,0	4,1	51,8	53,3	52,0	49,0
10	25,0	6,5	50,3	47,3	44,0	41,0
16	25,0	8,2	47,2	44,2	39,9	36,9
20	25,0	9,3	45,8	42,8	38,0	35,0
25	24,3	10,4	44,3	44,3	36,0	33,0
31,25	23,6	11,7	42,9	39,9	34,1	31,1
62,5	21,5	17,0	38,4	35,4	28,1	25,1
100	20,1	22,0	35,3	32,3	24,0	21,0

OTHER CHARACTERISTICS

PACKING:
 100M/ROLL (50973)
 305m/BOX (50975)



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Prepared by: NW

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