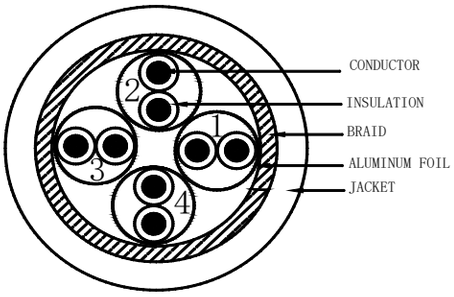
96093, 96094, 96095: CAT 6a network cable, grey | **TECHNICAL DATA SHEET**

S/FTP (PiMF) 4pairs cable category6A



COLOUR:
1 WHITE-BLUE
2 WHITE-ORANGE
3 WHITE-GREEN
4 WHITE-BROWN





96093: 50m/ROLL

96094: 100m/ROLL

96095: 305m/ROLL

CABLE DESCRIPTION

1-CONDUCTOR

TYPE:STRANDED-Copper wire

DIAMETER:7/0.152±0.005mm AWG:26/7

2-INSULATION

TYPE:FOAM-PE

DIAMETER:1.02mm±0.02mm

3-SHIELDING:ALUMINUM FOIL

Coverage 125%

4-BRAID

Braid(0.12*80 AL-Mg Wire)

5-RIP CORD

NO

6-OUTER JACKET

TYPE:LSZH

COLOUR:Grey

THICKNES:0.5mm

EXTERNAL DIAMETER:5.9mm±0.1mm

7-WORKING TEMPERATURE

: -20℃ ~~ +60℃

8 -PASS 50M FLUKE TEST

PARAMETER	UNIT	VALUE
Max.linear tesistance.	Ω/km	⩽150
Mutual capacity(nom.)	pF/m	40
Unbalance capacity max	pF/km	1600
Characteristic impedance (1 at 500 MHz)	Ω	100±15
VELOCITY OF PROPAGATION (f＞1MHz)	%of c	76

Marking

CAT 6A S/FTP (PIMF) Shielded 4x2xAWG26/7 CU
STRANDED 100OHM 500MHz EIA-TIA 568 LSZH Halogen free
Reaction to fire: Eca; EN 50575:2014+A1: 2016

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACR-N (dB)	ACR-F (dB)
1	19,0	4,0	65,0	62,0	61,0	63,3
4	19,0	4,2	63,0	60,5	58,9	51,2
10	19,0	6,5	56,6	54,0	50,1	43,3
16	18,0	8,2	53,2	50,6	45,0	39,2
20	17,5	9,2	51,6	49,0	42,5	37,2
25	17,0	10,2	50,0	47,3	39,8	35,3
31,25	16,5	11,5	48,4	45,7	36,9	33,4
62,5	14,0	16,4	43,4	40,6	27,0	27,3
100	12,0	20,9	39,9	37,1	19,0	23,3
200	9,0	30,1	34,8	31,9	4,7	17,2
250	8,0	33,9	33,1	30,2	-0,8	15,3
350	6,6	40,6	30,6	27,6	-10,0	12,4
450	6,0	46,5	28,7	25,7	-17,9	10,2
500	6,0	49,3	27,9	24,8	-21,4	9,3

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter

goobay

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