



DESCRIPTION

Flexible, for effective management of network connections. It meets and exceeds international standards for Cat 6 , Class E, 250MHz, 1G. Available in 8 different colours and 12 different standard measures

Available in the following colors:



APPLICABLE STANDARDS

- ISO/IEC 11801-1; •EN 50173:2011; •IEC 60603-7;
- IEC 60754-2; •PoE IEEE 802.3af/at and bt Type 3 and 4 (4PPoE);
- ANSI/TIA 568.D; •ROHS; •IEC 61156-5; •IEC 60332-1-2; •IEC 61034-2.



- 1 Separator
- 2 Jacket
- 3 Conductor



APPLICATIONS

- Ethernet 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T; •Token ring 4/16; •Video Digital e broadband/baseband analog video;
- Voice over Internet Protocol (VoIP).

MATERIALS

Plug housing	UL 94V2 Polyester
Conector	8P8C Unshielded Male Type
Inner Conductor Diameter (AWG)	26
Jacket	LSZH
Outer Diameter (mm)	5,6 ± 0,2
Mating cycles/durability	750 times

ELECTRICAL CHARACTERISTICS (20°C)

Contact Resistance (mΩ)	< 20
Resistance Unbalance (%)	3
Dielectric Strength (V DC)	1000
Insulation Resistance (mΩ)	> 100

INSTALLATION

Temperature Range (Operation) (°C)	-20-60
Temperature Range (Installation) (°C)	0-50
Bending radius	8 x Cable O.D.

TECHNICAL PERFORMANCE

Frequency (MHz)	Next Limit (min. Typical)	PS Next Limit (min. Typical)	ACR Limit (min. Typical)	RL Limit (min. Typical)
1	65,0	62,0	62,0	3,0
4	63,0	60,5	59,0	4,0
8	58,2	55,6	52,5	5,7
10	56,6	54,0	50,2	6,3
16	53,2	50,6	45,2	8,0
20	51,6	49,0	42,6	9,0
25	50,0	47,3	39,9	10,1
31,25	48,4	45,7	37,0	11,4
62,5	43,4	40,6	26,9	16,5
100	39,9	37,1	18,6	21,3
200	34,8	31,9	3,3	31,5
250	33,1	30,2	-2,8	35,9

PART NUMBER BREAKDOWN - ORDER INFORMATION

8 2 2 1 2 1 2 C M M M

8 2 2 1 2 1 2

+

COLOR	C
Grey	1
Yellow	2
Blue	3
Green	4
Orange	5
Red	6
Black	7
White	8

+

METERS	M M M
0,5m	0 0 5
1m	0 1 0
2m	0 2 0
3m	0 3 0
5m	0 5 0
7m	0 7 0
10m	1 0 0
15m	1 5 0
20m	2 0 0
25m	2 5 0
30m	3 0 0
50m	5 0 0

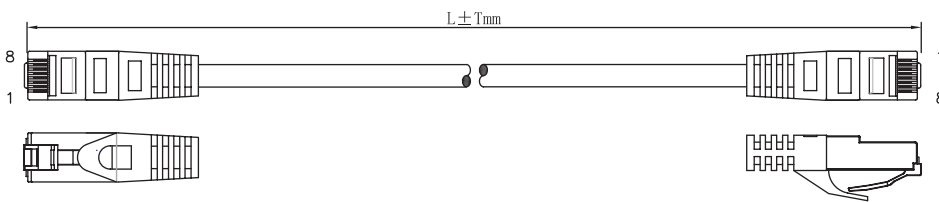
- GREY (RAL7035); • YELLOW (RAL1018); • BLUE (RAL5017); • GREEN (RAL6016); • ORANGE (RAL2008);
- RED (RAL3028); • BLACK (RAL9005).

Note: Non standards colours, lengths & configurations available on request.

PACKAGING INFORMATION

Meters	Type	Quantity (un)	Size (mm)	Gross Weight (kg)
0,5	Carton	200	490x300x280	5,74
1		180		7,59
2		90		6,9
3		80		8,3
5		70		11,1
7		60		12,8
10		35		10,78
15		30		13,3
20		20		12
25		20		14,5
30		16		14
50		10		14,5

TECHNICAL DRAWING



LENGTH	TOLERANCE
≤ 1000 mm	± 30 mm
$1000 < L \leq 5000$ mm	± 50 mm
$5000 < L \leq 10000$ mm	± 100 mm
$10000 < L \leq 20000$ mm	± 200 mm
20000 mm $< L$	± 500 mm

PACKAGING



As part of our goal to achieve quality excellence, our barpa System Warranty can give you 25 years products and solution assurance of compliance with the industry performance standard comparing with the class installed. This warranty applies to network infrastructure installations that was made by an approved barpa partner using an barpa solution (end-to-end). For more informations go to our website.