



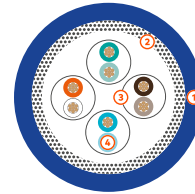
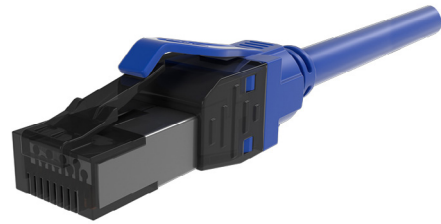
COPPER PATCH CORD 40G 2000MHZ CAT8.1 S/FTP - LSZH - 24 AWG

DESCRIPTION

Flexible, for effective management of network connections, gives the maximum protection from EMI/RFI interference. With up to 4x more speed and frequency than Cat6A, barpa Cat8.1 cable meets and exceeds international standards for Cat8 Class I (2000MHz).

APPLICABLE STANDARDS

- ISO/IEC 11801; • EN 50173; • IEEE 802.3bt PoE Type 1, 2, 3 and 4;
- ANSI/TIA-568.2-D



- 1 Outer Jacket
- 2 Braid
- 3 Al/Mylar
- 4 Conductor



APPLICATIONS

Ethernet 25GBASE-T, 40GBASE-T, ideal for high density server rooms or data centers

MATERIALS

Plug Housing	UL 94V2 Polyester
Conector	8P8C Shielded Male Type
Inner Conductor Diameter (AWG)	24
Jacket	LSZH
Outer Diameter (mm)	7,4 ± 0,3
Mating Cycles/Durability	750

ELECTRICAL CHARACTERISTICS (20°C)

Contact Resistance (mΩ)	< 20
Resistance Unbalance (%)	Max. 4% between pairs
Dielectric Strength (V DC)	Contact to Contact – 1000 Contact to Shield – 1500
Insulation Resistance (mΩ)	≥ 500

INSTALLATION

Temperature Range (Operation) (°C)	-10°C to +60°C
Temperature Range (Installation) (°C)	0°C to +50°C
Bending Radius	8x Cable O.D.



COPPER PATCH CORD 40G 2000MHZ
CAT8.1 S/FTP - LSZH - 24 AWG

TECHNICAL PERFORMANCE (ISO 11801 CHANNEL CLASS I)

Frequency (MHz)	NEXT (GWC)	PS NEXT (GWC)	ACR-N (GWC)	RL (GWC)
1,0	65,0	62,0	62,0	19,0
4,0	63,8	60,8	60,8	19,0
8,0	58,9	55,9	55,9	19,0
10,0	57,3	54,3	54,3	19,0
16,0	53,9	50,9	50,9	18,0
20,0	52,3	49,3	49,3	17,5
25,0	50,7	47,7	47,5	17,0
31,3	49,1	46,1	45,5	16,5
62,5	44,0	41,0	38,9	16,0
100,0	40,5	37,5	34,0	16,0
200,0	35,3	32,3	26,1	14,3
250,0	33,6	30,6	23,2	13,4
350,0	31,1	28,1	18,7	12,1
450,0	29,2	26,2	15,0	11,1
500,0	28,4	25,4	13,4	10,7
600,0	26,2	23,2	9,6	10,0
700,0	24,3	21,3	6,3	9,4
800,0	22,5	19,5	3,2	8,9
900,0	21,0	18,0	0,3	8,4
1000,0	19,6	16,6	-2,4	8,0
1600,0	12,9	9,9	-15,8	8,0
2000,0	9,6	6,6	-23,1	6,2

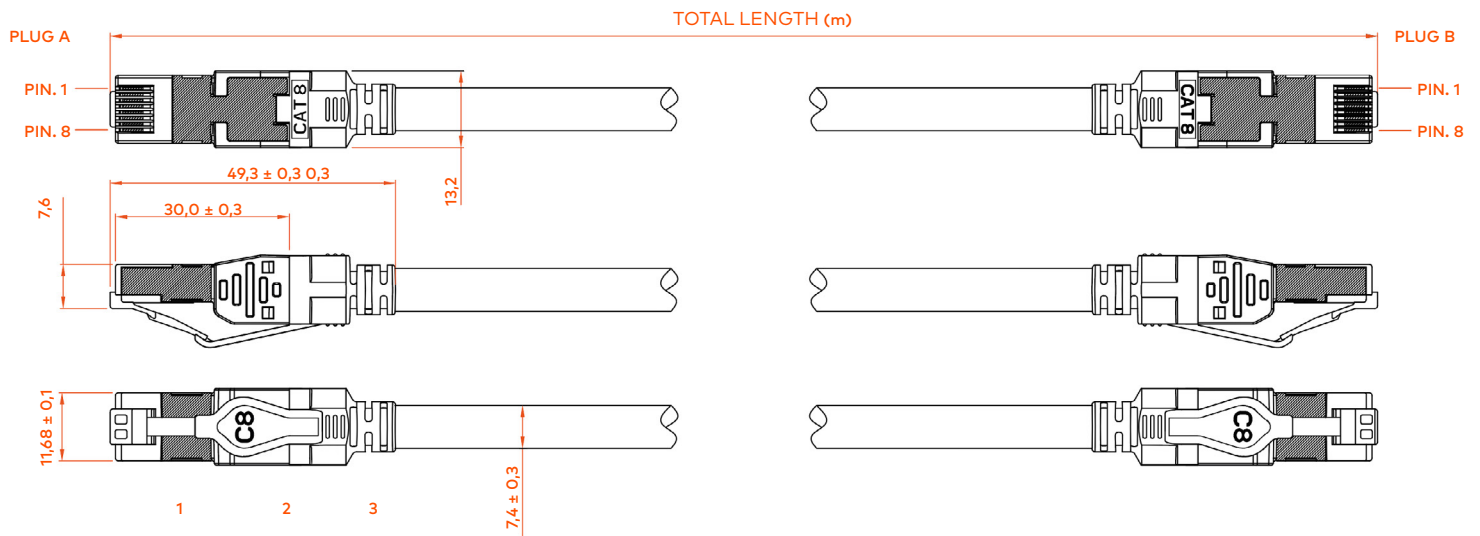
CABLE MARKING

barpa Cat.8.1 S/FTP 40Gbps 2000MHz PoE 100W Patch Cord LSZH 24 AWG ISO/IEC 11801,
TIA/EIA 568-C.2-1, EN50173, IEC61935 (data de produção)** www.barpa.eu

ORDER INFORMATION

Code	Length (m)	Minimum Order Quantity (MOQ)	Inner Box			Outer Box		
			Quantity (un)	Dimensions (mm)	Weight (kg)	Quantity (un)	Dimensions (mm)	Weight (kg)
82216423010	1	1	6	370x290x60	0,649	60	640x385x315	7,500
82216423020	2	1	4	370x290x60	0,667	40	640x385x315	7,600
82216423030	3	1	3	370x290x60	0,703	30	640x385x315	8,000

TECHNICAL DRAWING



PACKAGING

This images are merely illustrative. We want you to see the importance we attach to the packaging.
We always work with products and materials that are easy to use.



Explore more of our Draco solution.



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.