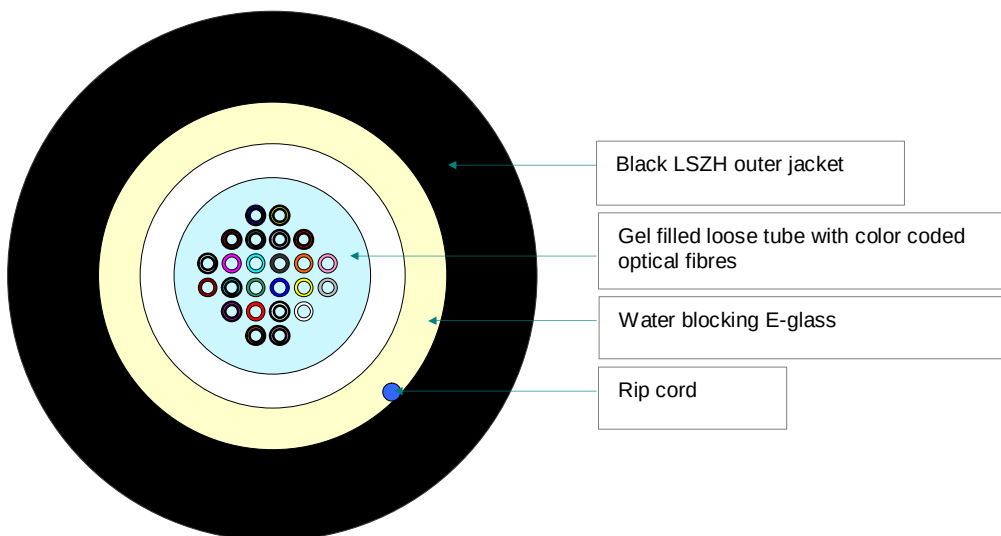




J/A-DQ(ZN)H WBF 24F BLK

CONSTRUCTION

Fibre

Colour code : 1st to 12th: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink,
13th to 24th: red, green, blue, yellow, white, grey, brown, violet, turquoise, natural, orange, pink -
with black rings (according to IEC 60304). *Other fibre colour sequences available on request.*

Loose buffer tube (thixotropic gel filled) with up to 24 colour coded optical fibres

Material : PBT

Colour : white

Strength member : water blocking E-glass

Rip-cord : 1x under outer jacket

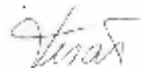
Outer jacket : LSZH - black, UV stable

Identification marking

Print colour : white

Print method : ink jet

Standard legend : manufacturer's name, job number, type of cable, length marking @ 1 m intervals
Custom print legends available on request.

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FIBRE SPECIFICATION

Fibre Type (fibre order code)	Multimode Fibres									
	Optical Performance						Dimensions			
	Attenuation (typical / maximum) (dB/km)		Bandwidth (overfilled launch) (MHz.km)		1Gbps Ethernet Transmission Link Length		Numerical Aperture (um)	Core Diameter (um)	Cladding Diameter (um)	Coating Diameter (um)
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm				
Multimode 62.5/125 OM1 (G6)	2.7 / 3.2	0.6 / 1.1	220	600	300	550	0.275 ± 0.015	62.5± 2.5	125 ± 1.0	245 ± 10
Multimode 50/125 OM2 (G5)	2.4 / 3.0	0.7 / 1.0	500	800	550	550	0.20 ± 0.015	50 ± 2.5	125 ± 1.0	245 ± 10
Multimode 50/125 OM2 (M5)	2.3 / 2.8	0.6 / 0.9	600	1200	600	600	0.20 ± 0.015	50 ± 2.5	125 ± 1.0	245 ± 10
Multimode 50/125 OM2 (N5)	2.3 / 2.8	0.6 / 0.9	600	1200	750	2000	0.20 ± 0.015	50 ± 2.5	125 ± 1.0	245 ± 10
Multimode 50/125 10GBE OM3 (X5)	- / 3.0	- / 1.0	1500	500	300 ^A	-	0.20 ± 0.015	50 ± 2.5	125 ± 1.0	245 ± 10
Multimode 50/125 10GBE OM3 (Y5)	- / 3.0	- / 1.0	3500	500	550 ^A	-	0.20 ± 0.015	50 ± 2.5	125 ± 1.0	245 ± 10

Note A - 10 Gbps Ethernet

Fibre Type (fibre order code)	Singlemode Fibres									
	Optical Performance						Dimensions			
	Attenuation (typical / maximum) (dB/km)		Chromatic Dispersion ps/(nm.km)		Individual fibre PMD (ps/√km)	Cable Cut-Off Wavelength (nm)	Mode Field Diameter (um)		Cladding Diameter (um)	Coating Diameter (um)
	1310 nm	1550 nm	1310 nm	1550 nm			1310 nm	1550 nm		
Singlemode 9/125 G.652D - LWP (S9)	0.32 / 0.4	0.21 / 0.3	3.5	18.0	≤ 0.2 ^B	≤ 1260	9.2± 0.4	10.4 ± 0.4	125 ± 1.0	245 ± 10
Singlemode 9/125 G.652D - ZWP (E9)	0.32 / 0.4	0.21 / 0.3	3.5	18.0	≤ 0.1 ^B	≤ 1260	9.2± 0.4	10.4 ± 0.4	125 ± 0.7	245 ± 10
Singlemode 9/125 G.655 (B9)	-	- / 0.3	- 8.0	2.6 - 6.0 ^C	≤ 0.1 ^B	≤ 1260	-	8.4 ± 0.6	125 ± 0.7	245 ± 5
Singlemode 9/125 G.656 (R9)	-	- / 0.3	- 5.0	5.5 - 8.9 ^C	≤ 0.1 ^B	≤ 1325	-	8.6 ± 0.4	125 ± 0.7	245 ± 5

Note B - As measured with Low Mode Coupling (LMC) technique in fiber form, value may change when cabled.

Note C - Chromatic dispersion value at 1530 - 1565 nm

ORDER EXAMPLE

2100 m J/A-DQ(ZN)H WBF 24E9/125G.652D BLK; cable specification BE02

MECHANICAL AND ENVIRONMENTAL PROPERTIES

Max. tensile strength (installation)	IEC 60794-1-2/E1A	1000 N
Crush resistance	IEC 60794-1-2/E3	2000 N/10cm
Impact resistance	IEC 60794-1-2/E4	3 impacts (w/20N.m)
Minimum bend radius (long term)	IEC 60794-1-2/E11A	10x cable diameter (no load)
Minimum bend radius (short term)	IEC 60794-1-2/E11B	15x cable diameter (load)
Moisture resistance	IEC 60794-1-2/F5	passed
Flammability	EN 50266-1&2 (IEC 60332-3-24)	Suitable for indoor use
Acid gases	EN 50267-1&2	Suitable for indoor use
Smoke density	EN 50268-1&2	Suitable for indoor use
Temperature range	IEC 60794-1-2/F1	
installation		-5 °C to + 40 °C
operation		-30 °C to + 70 °C
storage		-40 °C to + 70 °C
Cable informative nominal weight		55 kg/km
Standard put-up length / Drum size		2100 m / 90x64x60 cm (plywood)
		4100 m / 100x64x60 cm (plywood)
Central loose tube nominal diameter		3,5 ± 0,1 mm
Outer jacket nominal thickness		1,2 (min. 0,9) mm
Cable nominal outer diameter		7,0 ± 0,5 mm
Cable life time - minimum 30 years		

This cable is suitable for indoor and outdoor use.

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