

A-DQ(L)2YT 12x2,5 120f BLK

CONSTRUCTION

Fibre

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

Loose buffer tube (thixotropic gel filled) with up to 12 colour coded optical fibres

Material : PBT
 Colour : 1st: red, 2nd: green, rest of tubes: white
Other fibre colour sequences available on request, natural fillers may be included.

Fillers : PE - natural

Central strength member : FRP dielectric central strength member (OD 2,0 mm) PE coated (OD 7,5 mm)

Cable core : central strength member + 12 loose tubes (or fillers) fixed by water-swellable tape

Moisture barrier : Aluminium tape (PEALPE) th.0,2 mm (min. overlap 6 mm)



Strength member : Zn galvanized steel rope (OD 3,0 mm)

Rip-cord : 1x under outer jacket

Outer jacket : PE - 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.

0	29.2.2008		<p>A-DQ(L)2YT 12x2,5 max.144F BLK Fig.8 Self-supporting Multi Loose Tube</p>		
				Issue <p style="text-align: center;">H83A.0</p>	Page <p style="text-align: center;">1/2</p>
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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/0km)	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 A-DQ(L)2YT 12x2,5 120E9/125G.652D BLK; cable specification H83A

MECHANICAL AND ENVIRONMENTAL PROPERTIES

Max. tensile strength (installation)	IEC 60794-1-2/E1A	5000 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	15x cable diameter (no load)
Minimum bend radius (short term)	IEC 60794-1-2/E11B	20x cable diameter (load)
Moisture resistance	IEC 60794-1-2/F5	passed
Temperature range	IEC 60794-1-2/F	
installation		-5 °C to + 40 °C
operation		-30 °C to + 70 °C
storage		-40 °C to + 70 °C
Cable informative nominal weight		330 kg/km
Standard put-up length / Drum size		2000 m / 180x80x95 cm (solid wooden drum)
Loose tube nominal diameter		2,5 ± 0,1 mm
Outer jacket nominal thickness		2,0 (min. 1,8) mm
Cable nominal outer diameter		18,4 ± 0,5 mm x 28,4 ± 1,0 mm
Cable life time - minimum 30 years		

This cable is suitable for outdoor aerial use.

0	29.2.2008		<h3>A-DQ(L)2YT 12x2,5 max.144F BLK</h3> <h4>Fig.8 Self-supporting Multi Loose Tube</h4>		
				Issue H83A.0	Page 2/2
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