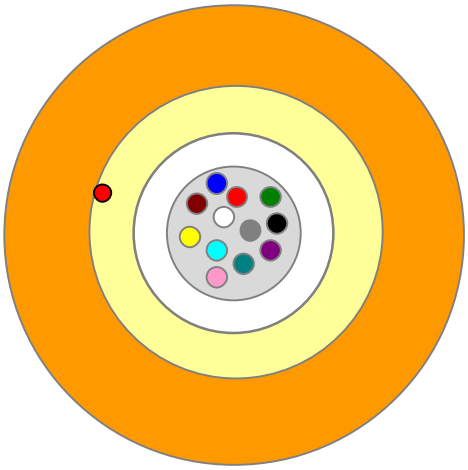

J/A-DQ(ZN)H 2 - 12 FIBRES

CONSTRUCTION

Fibre

Colour	:	1-12: red, green, blue, yellow, violet, pink, orange, black, grey, brown, white, turquoise Exception of coloured marking they are mentioned in contract of purchase

Loose buffer tube

Material	:	thermoplastic
Colour	:	natural
Strength member	:	waterblocking e-glass
Outer jacket	:	FR LSZH – orange (acc. to LUL requirements)
Identification marking	:	colour white; manufacturer´s name, job number, type of cable, length marking â 1 m, accuracy ± 1 % or according to the customer´s request - mentioned in contract of purchase

FIBRE SPECIFICATION

Loose Tube	Multimode Fibres									
	Optical Performance							Dimensions		
	Typical / Maximum Attenuation (dB/km)		Minimum Bandwidth (MHz.km)		Transmission Link Length (m)		Numerical Aperture (um)	Nominal Core Diameter (um)	Nominal Cladding Diameter (um)	Primary Coating Diameter (um)
Fibre Type	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm				
Multimode 62,5/125 Premium OM1	*2,7 / 3,2*	*0,6 / 1,1*	*200*	*600*	-	-	*0,275 ± 0,015*	*62,5± 3*	*125 ± 2*	*245 ± 10*
Multimode 62,5/125 Gigabit OM1	*- / 3,2*	*- / 1,1*	*200*	*500*	*500*	*1000*	*0,275 ± 0,015*	*62,5± 3*	*125 ± 2*	*245 ± 10*
Multimode 50/125 Compliant OM2	*2,4 / 3,0*	*0,7 / 1,0*	*500*	*500*	-	-	*0,2 ± 0,015*	*50± 3*	*125 ± 2*	*245 ± 10*
Multimode 50/125 Standard OM2	*2,4 / 3,0*	*0,7 / 1,0*	*500*	*800*	-	-	*0,2 ± 0,015*	*50± 3*	*125 ± 2*	*245 ± 10*
Multimode 50/125 Premium OM2	*2,3 / 2,8*	*0,6 / 0,9*	*600*	*1200*	-	-	*0,2 ± 0,015*	*50± 3*	*125 ± 2*	*245 ± 10*
Multimode 50/125 Gigabit OM2	*- / 3,0*	*- / 1,0*	*500*	*500*	*600*	*2000*	*0,2 ± 0,015*	*50± 3*	*125 ± 2*	*245 ± 10*
Multimode 50/125 10 Gigabit OM3	*- / 3,0*	-	-	-	*300*	-	*0,2 ± 0,015*	*50± 3*	*125 ± 2*	*245 ± 10*

	Singlemode Fibres								
	Optical Performance						Dimensions		
	Typical / Maximum Attenuation (dB/km)		Dispersion Coefficient ps/(nm.km)		PMD (ps/√km)	Cut-Off Wavelength (nm)	Nominal Mode Field Diameter (um)	Nominal Cladding Diameter (um)	Primary Coating Diameter (um)
Fibre Type	1310	1550	1310	1550					
Singlemode 9/125	*0,32 / 0,4*	*0,21 / 0,3*	*3,0*	*18*	*<= 0,5*	*1215 ± 65*	*9,2± 0,4*	*125 ± 1*	*245 ± 10*

MECHANICAL AND ENVIRONMENTAL PROPERTIES

Tensile strength	IEC 60794 - 1-2/E1A	according table below
Crush test	IEC 60794 - 1-2/E3	1500 N/10cm
Impact test	IEC 60794 - 1-2/E4	1000 - impacts (1N-m)
Minimum bend radius long term	IEC 60794 - 1-2/E11B	No load 10x cable diameter
Minimum bend radius short term	IEC 60794 - 1-2/E11A	Load 20x cable diameter
Flammability	IEC 60332 - 3-24 (cat.C)	Suitable for indoor – outdoor use
Informative weight		50 kg/km
Temperature range:		
installation		-5 °C to + 40 °C
operation		-30 °C to + 60 °C
storage		-40 °C to + 70 °C

MAKE UP

Number of fibre	Min. thickness of jacket (mm)	Nom. external diameter (mm)	Tensile strength (N)	Drum (cm)
002	0.9	6.5 ± 0.5	1500	100
004	0.9	6.5 ± 0.5	1500	100
006	0.9	6.5 ± 0.5	1500	100
008	0.9	6.5 ± 0.5	1500	100
010	0.9	6.5 ± 0.5	1500	100
012	0.9	6.5 ± 0.5	1500	100