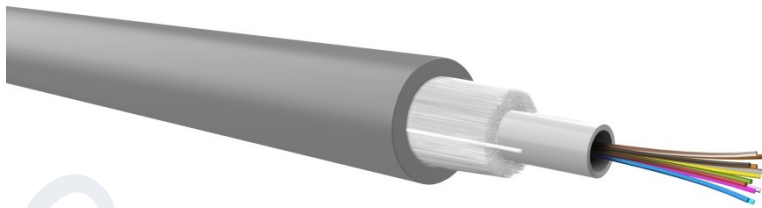


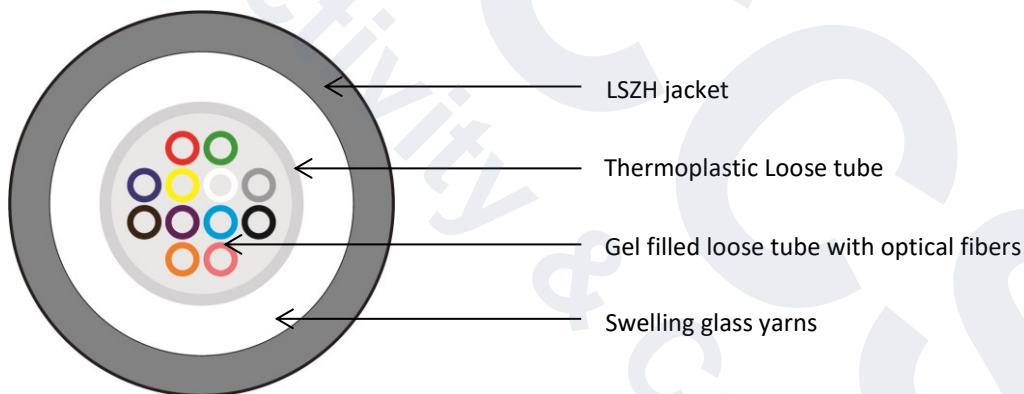
<b>Cable type</b>	<b>U-DQ(ZN)BH</b>
<b>Description</b>	<b>Central loose tube cable to be pre-terminated, 4-24 OF, dielectric armour, LSZH jacket, Dca,</b>



\*the color of the jacket in the picture is indicative

### Cable type U-DQ(ZN)BH to be pre-terminated

4 to 24 cores central Loose tube optical cable to be pre-terminated, type U-DQ(ZN)BH for indoor and outdoor use, longitudinally resistant to water penetration, dielectric protection against the action of rodents, external sheath in LSZH (Low Smoke Zero Halogen), Euroclass Eca. The optical fibers, with primary coating of 250µm, are contained within a single thermoplastic tube and filled with a water-blocking gel to prevent moisture penetration.



### Constructive characteristics

Tube	Gel-filled Loose tube
Filler protection	Swelling glass yarns
Optical fiber type	Single-mode 9/125; multimode 50/125; multimode 62,5/125
Outer jacket material	LSZH (Low Smoke Zero Halogen)
Armour	Dielectric
Cable outer diameter	from 5,8 to 6,1 mm
Nominal weight	around 37 Kg/Km

### Mechanical and environmental properties

Use	Indoor/Outdoor
Bend. radius (installation)	20 x outer diameter
Bend. radius (long term)	10 x outer diameter
Max. pull strength	1250 N (120 kg max.)
Crush resistance	1500 N/dm
Installation temperature	from -5°C to +40°C
Operating temperature	from -30°C to +70°C

Cable type	<b>U-DQ(ZN)BH</b>
Description	<b>Central loose tube cable to be pre-terminated, 4-24 OF, dielectric armour, LSZH jacket, Dca,</b>

**Reference standards**

Cables and optical fibers	EN 60793 EN 60794-1
Structured cabling	EN 50173-1 ISO/IEC 11801 ANSI/TIA 568.3-D

**Fire behavior**

CRP regulation	EN 50575 Euroclass Dca-s2,d2,a1
Fire reaction	EN 60332-
Smoke density	EN 61034-2
Acid gas emission	EN 60754-1/2

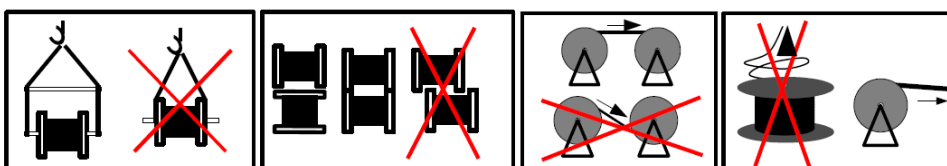
**Outer jacket color**

9/125 OS2	Yellow
50/125 OM2	Gray
50/125 OM3	Aqua
50/125 OM4	Erika (violet)
62,5/125 OM1	Orange

**Reference codes**

Cores number	9/125 OS2	50/125 OM2	50/125 OM3	50/125 OM4	62,5/125 OM1
1x4 cores	2008345	2008355	2008355OM3	-	2008365
1x8 cores	2008347	2008357	2008357OM3	-	2008367
1x12 cores	2008348	2008358	2008358OM3	2008358OM4	2008368
1x24 cores	2008349	2008359	2008359OM3	2008359OM4	2008369

**Recommendations of use**



<b>Cable type</b>	<b>U-DQ(ZN)BH</b>
<b>Description</b>	<b>Central loose tube cable to be pre-terminated, 4-24 OF, dielectric armour, LSZH jacket, Dca,</b>

## MULTIMODE OPTICAL FIBER SPECIFICATIONS

<b>Optical fiber type</b>	<b>50/125 OM2</b>	<b>50/125 OM3</b>	<b>50/125 OM4</b>	<b>62,5/125 OM1</b>
Core diameter	50 ± 2,5 µm	50 ± 2,5 µm	50 ± 2,5 µm	62,5 ± 2,5 µm
Cladding diameter	125 ± 1 µm	125 ± 1 µm	125 ± 1 µm	125 ± 1 µm
Wavelengths	850/1310 nm	850/1310 nm	850/1310 nm	850/1310 nm
Atten. typical/max λ=850 nm	2,3 / 2,5 dB/Km	2,3 / 2,5 dB/Km	2,3 / 2,5 dB/Km	2,7 / 3 dB/Km
Atten. typical/max λ=1300 nm	0,5 / 0,6 dB/Km	0,5 / 0,6 dB/Km	0,5 / 0,6 dB/Km	0,7 / 0,8 dB/Km
Bandwidth λ=850 nm	500 MHz·Km	1500 MHz·Km	3500 MHz·Km	200 MHz·Km
Bandwidth λ=1300 nm	500 MHz·Km	500 MHz·Km	500 MHz·Km	600 MHz·Km
Numerical aperture	0,200 ± 0,015 µm	0,200 ± 0,015 µm	0,200 ± 0,015 µm	0,275 ± 0,015 µm

## SINGLE-MODE OPTICAL FIBER SPECIFICATIONS

<b>Optical fiber type</b>	<b>9/125 OS2 (ITU G.652D)</b>
Core diameter	9,2 ± 0,4 µm
Cladding diameter	125 ± 0,7 µm
Wavelengths	1350 nm - 1550 nm - 1625 nm
Attenuation typical/max λ=1310 nm	0,33 / 0,34 dB/km
Attenuation typical/max λ=1550 nm	0,18 / 0,19 dB/Km
Attenuation typical/max λ=1625 nm	0,20 / 0,24 dB/Km
Dispersion @ 1310 nm	≤ 3,2 ps/(nm·Km)
Dispersion @ 1550 nm	≤ 17 ps/(nm·Km)
PMD	≤ 0,06 ps/Km
Cable cut-off wavelength	< 1260nm

**Optical fibers are fully compliant with IEC/EN 60793-1, IEC/EN 60793-2, EN 50173 and ISO/IEC 11801**

### NOTE

What is specified in the data sheet describes the general characteristics of the supplied cables to be pre-terminated in laboratory. These cables are not branded CCS by Qubix but come from primary manufacturers.

Therefore in some cases the characteristics of the product may partially differ from those reported in this document.

The declaration of performance inherent to the CPR regulation can be downloaded directly from the manufacturer's website through the data indicated on the CPR label that accompanies the product itself.