

FO Outdoor wbKT Micro / A-DQ(ZN)2Y, F_{ca}

Micro, up to 144 fibres, Euroclass F_{ca}

metal-free, non-armoured,
dry interstices, longitudinally watertight



- 1 ≤ 24 fibres
- 2 Loose tube
- 3 Aramid yarn
- 4 HDPE sheath



Description

Very compact, metal-free fibre optic outdoor cable with up to 144 fibres in stranded loose tubes.
Easily cut-back, installation friendly cable construction with dry interstices.

Application

FTTx, Fibre-to-the-home networks.
Optimised for injection into microducts

Construction

Armouring (rodent protection)	non-armoured
Outer sheath material	HDPE

General properties

Maximum number of fibres	144
Installation temperature	-5 °C - +50 °C
Storage temperature	-40 °C - +70 °C
Operating temperature	-40 °C - +70 °C
Imprint	DATWYLER FO Outdoor wbKT Micro / A-DQ(ZN)2Y «No. of fibres» «Fibre type» «Batch no.» MADE IN SWITZERLAND «Receiver wave receiver wave» «Meter marks»
Field of application	Outdoor

Standards

Tensile performance	IEC 60794-1-21 E1
Crush resistance	IEC 60794-1-21 E3
Impact	IEC 60794-1-21 E4
Repeated bending	IEC 60794-1-21 E6
Torsion	IEC 60794-1-21 E7
Bend	IEC 60794-1-21 E11
Temperature cycling	IEC 60794-1-22 F1
Water penetration	IEC 60794-1-22 F5
Reaction to fire	EN 13501-6
Euroclass	F _{ca}
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2

Note

Datwyler recommends blowing in micro and mini cables in an ambient temperature range from -2°C to +35°C.

For installation, a blow-in device with a rubber pull-in bead is recommended.

Versions

Material number	Product	Reaction to fire	Outer sheath colour	Fibre type	Fibre category	Outer sheath diameter [mm]	Bending radius [mm]	Weight [kg/km]	Tensile load [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Fire load [kWh/m]	Packing unit	GTIN / EAN
19170600FZ	FO Outdoor wbKT Micro 1x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	6.6	150	35	1,000	1,600	600	0.247	by the metre	
19008000FZ	FO Outdoor wbKT Micro 2x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	6.6	150	35	1,000	1,600	600	0.247	by the metre	
19022900FZ	FO Outdoor wbKT Micro 3x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	6.6	150	35	1,000	1,600	600	0.247	by the metre	
19023000FZ	FO Outdoor wbKT Micro 4x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	6.6	150	35	1,000	1,600	600	0.247	by the metre	
19023100FZ	FO Outdoor wbKT Micro 5x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	6.6	150	35	1,000	1,600	600	0.247	by the metre	
19023200FZ	FO Outdoor wbKT Micro 6x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	6.5	150	40	1,000	1,600	600	0.234	by the metre	
19181300FZ	FO Outdoor wbKT Micro 8x12	Fca	black/orange	E9/125 G.652.D BLO	OS2	7.6	250	55	2,500	1,400	600	0.303	by the metre	
19181400FZ	FO Outdoor wbKT Micro 6x24	Fca	black/orange	E9/125 G.652.D BLO	OS2	8.2	250	58	2,500	1,400	600	0.344	by the metre	