

Stranded loose tube cable, Micro, outdoor-use, no armour, HDPE sheath - black, 02x12-fibers G657.A1



030.6397.A.1 / similar product

DESCRIPTION

Non-metallic stranded loose tube Micro cable with up to 72 fibers in a 6-strand stranding, used outdoors for "air-blown" installations into Microducts.

TECHNICAL DATA

DESCRIPTION	VALUE/VALUE RANGE
Cable type	Stranded loose tube cable
Jacket material	UV stable HDPE
CPR classification	Fca
Fiber type	G.657.A1
Fiber Count	24
Application	outdoor-use
Cable family code	MT6x1,5AH
DIN/VDE Code	A-DQ(ZN)2Y nx1,5
DoP no.:	D9920
Loose-tube count	2
Fiber count per tube	12
Loose tube nominal diameter [mm]	1.55 mm
Loose-tube colour coding	1.red, 2.green - on each layer, rest of tubes white (fillers uncoloured or black)
FRP/coat. CSM nominal thickness [mm]	1.7
Outer jacket nominal thickness [mm]	0.5 mm
Cable outer diameter [mm]	5.7 mm
Cable version	Micro cable
Standard put-up length on drum	2100 m ± 5%

MECHANICAL DATA

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DESCRIPTION	VALUE/VALUE RANGE
Cable weight	30.0 kg/km / 20 lbs/1000ft
Fiber color coding	1 .. 12 green, yellow, white, blue, red, violet, brown, pink, black, gray, orange, acqua
Tensile performance - during installation	600 N
Tensile Performance during Installation TestMethod	IEC 60794-1-21:E1
Tensile performance - during installation acceptance criteria	$\Delta\alpha \leq 0,05$ dB after test
Impact resistance	5 Nm, 3 impacts, d=20 mm, R=300 mm
Impact resistance test method	IEC 60794-1-21:E4
Impact resistance acceptance criteria	$\Delta\alpha \leq 0,05$ dB after test, no damage
Torsion	L = 1 m, rotation angle $\pm 180^\circ$, 10 cycles
Torsion test method	IEC 60794-1-21:E7
Torsion acceptance criteria	no damage
Kink	d = 40 x cable diameter
Kink test method	IEC 60794-1-21:E10
Kink acceptance criteria	no damage
Cable bend	d=40 x cable diameter, 4 turns, 3 cycles
Cable bend - test method	IEC 60794-1-21:E11A
Cable bend - acceptance criteria	$\Delta\alpha \leq 0,05$ dB after test, no damage
Repeated bending	R = 40 x cable diameter, 25 cycles
Repeated bending acceptance criteria	no damage

CLIMATIC DATA

DESCRIPTION	VALUE/VALUE RANGE
Temperature cycling	-40 °C +70 °C / -40 °F +158 °F
Installation temperature	-5 °C +50 °C / +23 °F +122 °F
Operation temperature	-40 °C to +70 °C / -40 °F to +158 °F
Transport / store temperature	40 °C to +70 °C / +104 °F to +158 °F