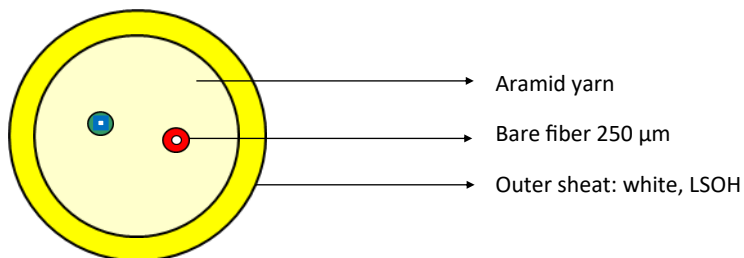


Product Information

FTTH DROP optical fiber cable 500N, 2÷4 G657A1 or G657A2 single-mode optical fibers; outer sheath LSOH; for FTTX subscriber application, flush and surface-mounted. Euroclass CPR: Eca.

Card No: PI_Drop Cable IC-ROUND_02.19



Aramid yarn

Bare fiber 250 μ m

Outer sheath: white, LSOH

E_{ca}
CPR

Application

Subscriber's cable for indoor and outdoor use with reduced bend radius fibers G657A1 or G657A2. For building FTTx networks. Euroclass Eca

Standards

PN EN 60794-2
 PN EN 60794-3
 PN EN 60794-1-1
 PN EN 60794-2
 PN EN 60332-1-2
 PN EN 50173-1
 PN EN 62949
 PN EN 50575 - Class Eca
 PN EN 50399 - Class Eca
 ITUT G657A1
 ITUT G657A2
 ISO 11801 2-ga edycja

Construction

Cable construction		Bare fibers 250 μ m with aramid yarn
Fiber		Bare fibers \varnothing 250 μ m
Strength member		Aramid yarn
Cable sheath		Nominal sheath thickness 0.6 mm – white LSOH Class Eca
Cable Outer Diameter and weight	2J	3.0 \pm 0.1 mm; 8.0 \pm 1 kg/km
	4J	3.0 \pm 0.1 mm; 8.0 \pm 1 kg/km
	6J	3.6 \pm 0.1 mm; 10.5 \pm 1 kg/km
	8J	3.6 \pm 0.1 mm; 10.5 \pm 1 kg/km
	12J	3.6 \pm 0.1 mm; 10.5 \pm 1 kg/km

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Mechanical properties

Właściwość	Metodyka badania	Wartość
Maximum tensile strength	E1	500N for 0.6% FS
Crush resistance	E3	1000N/dm
Impact	E4	1 Nm for R=12.5mm
Dynamic minimum bending radius		10xD
Static minimum bending radius		5xD
Temperature range	F1	Operation: -30°C ÷ 70°C
		Installation: -10°C ÷ 55°C
		Transport & storage: -30°C ÷ 70°C
Fiber colour coding		red blue white green violet orange grey yellow brown pink black aqua

Transmission parameters

Parameter	Value
Fiber type	G.657A.1; G657A2
Attenuation for 1310 nm wave	≤ 0.36 dB/km
Attenuation for 1550 nm wave	≤ 0.22 dB/km
Attenuation for 1625 nm wave	≤ 0.25 dB/km
Attenuation for 1383 ± 3 nm	≤ 0.36 dB/km
Cut-off wavelength	≤ 1260 nm
λ_0 zero dispersion wavelength	1300 < λ_0 < 1324 nm
Chromatic dispersion 1285 - 1330 nm	≤ 3.5 ps/nm*km
Chromatic dispersion 1550 nm	≤ 18 ps/nm*km
Chromatic dispersion 1625 nm	≤ 22 ps/nm*km
Zero dispersion slope S_0	≤ 0.092 ps/nm ² *km
Cladding diameter	125.0 ± 0.7 μm
10 turns around mandrel $\phi=30$ mm for 1550 nm	≤ 0.25 dB/km; ≤ 0.03 dB/km
Coating diameter	245.0 ± 5 μm
Mode field diameter: 1310 nm	8.8 ± 0.4 μm
Mode field diameter: 1550 nm	9.8 ± 0.5 μm

Performance/Variants

Index	No. Of fibres	Product description
ICR30W-002D00XBEW	2J7A2	BKT FO subscriber Drop Cable IC-ROUND 02J7A2 (1x2) SM G657A2 250 μm 500N/1000N Class Eca
ICR30W-004D00XBEW	4J7A2	BKT FO subscriber Drop Cable IC-ROUND 04J7A2 (1x4) SM G657A2 250 μm 500N/1000N Class Eca
ICR30W-006D00XBEW	6J7A2	BKT FO subscriber Drop Cable IC-ROUND 06J7A2 (1x6) SM G657A2 250 μm 500N/1000N Class Eca
ICR30W-008D00XBEW	8J7A2	BKT FO subscriber Drop Cable IC-ROUND 08J7A2 (1x8) SM G657A2 250 μm 500N/1000N Class Eca
ICR30W-012D00XBEW	12J7A2	BKT FO subscriber Drop Cable IC-ROUND 12J7A2 (1x12) SM G657A2 250 μm 500N/1000N Class Eca