



FTTH indoor subscriber cable

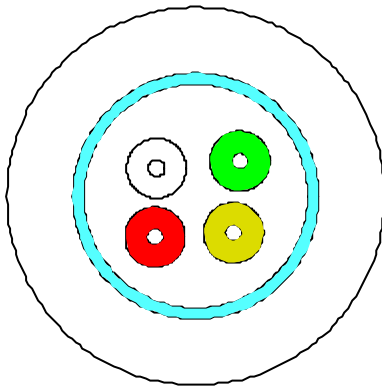
ES9 tight buffer, 1 – 4 BendBright^{XS} fibre, aramid yarns, FireRes[®] sheath

DIN/VDE J-V(ZN)H

NO

FR COMTLK

DK D02



Application and Installation

This distribution or mini-break-out cable can be used for many indoor applications.

The cable features Draka's ES9 tight buffer.

Typical cable applications include: LAN and WAN backbones, central office interconnections, backbones in data centres, and many other.

The cable features aramid yarns for ease of installation.

The cable is suited for installation in ducts and on trays.

The cable features an UV stabilised, water and moisture resistant FireRes[®] sheathing, the cable is thus well suited for shorter outdoor runs.

Standards

EN 187 000
IEC 60794-2
IEC 60794-2-20
ISO 11801 2nd edition
EN 50 173-1

Construction

Fibre	1 - 4 tightly buffered fibres 900 $\mu\text{m} \pm 50 \mu\text{m}$.
Fibre colour code	1 White
	2 Red
	3 Yellow
	4 Green
Strength member	Ultra high modulus aramid yarns
Sheath	1 mm white LSHF-FR fire retardant, UV stabilised, EN 50290-2-27

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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Fire rating

IEC 60332-1-2	Single vertical wire test
IEC 60332-3-24 = IEC 332-3C	Vertically-mounted bunched wires and cables (cable with up to 12 fibres)
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Heat of combustion

1, 2, 4 fibres	370 MJ/km	0.10 KWh/m
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Physical properties

IEC 60974-1-2

Property	Test method	Value
Permanent tensile strength	E1	280 N
Short term tensile strength (some days)	E1	560 N
Maximum installation load (a few hours)	-	1000 N
Impact	E4	20 J
Crush (compressive strength)	E3	3000 N/ 100 mm
Torsion	E7	5 cycles \pm 1 turn
Temperature range	F1	Operation and installation -20 °C to 70 °C Storage -40 °C to 70 °C

Mechanical properties

Fibre count	Nominal diameter	Nominal cable weight	Minimum bending radius
1, 2, 4	4.5 mm	21 kg/km	7.5 mm

Product codes – ordering information

Item No.	Fibre count	Product note	Fibre type	Fibre data sheet
1022159	1	The sheath is without marking	BendBright [®] XS G.657.A2	C24
1022160	2	The sheath is without marking	BendBright [®] XS G.657.A2	C24
1022161	4	The sheath is without marking	BendBright [®] XS G.657.A2	C24

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