

FIBER DISTRIBUTION CABLE - CABLE D39

Productsheet
FDC39

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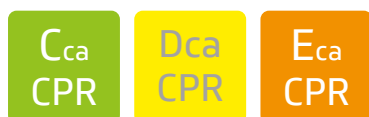
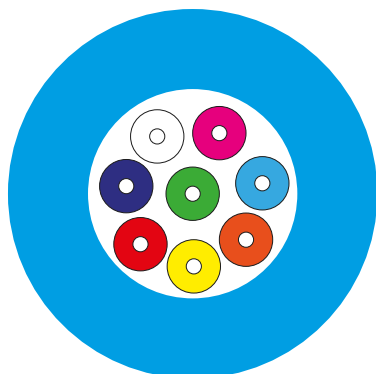
APPLICATION & INSTALLATION

- 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.
- This cable features high flame retardance with Cca approval.

STANDARDS

Tight-buffered fiber optic Assembly Cables meet the functional requirements of the following standards:

ISO 11801-1	EN 50173-1	IEC 60794-2
EN 187 000	IEC 60794-2-20	



FLAME RESISTANCE

EN 50399	Class Ccas1a-d1-a1 Class Dca, Class Eca
LSHF-FR (LSOH-FR)	<ul style="list-style-type: none">• IEC 60332-1-2• IEC 60332-3-24• IEC 60754-2• IEC 61034

PHYSICAL PROPERTIES

Attribute	Method IEC 60974- 1-21/22	Limits						
		2	4	6	8	12	16	24
Fibre count		2	4	6	8	12	16	24
Nominal diameter [mm]	-	5.3	5.7	6.1	6.8	7.2	7.8	8.6
Nominal weight [kg/km]	-	35						80
Maximum installation load (a few hours) [N]	-	1000	1000	1000	1000	1200	1200	1500
Short term tensile strength (some days) [N]	E1	560	560	560	560	680	680	800
Permanent tensile strength [N]	E1	280	280	280	280	340	340	400
Impact [J]	E4	20 J						
Crush (compressive strength)	E3	3000 N/ 100 mm						
Torsion	E7	5 cycles ± 1 turn						
Minimum bending radius	E11	53	57	61	68	72	78	86
Minimum bending radius under tension	E18A	106	114	122	136	144	156	172
Temperature range	F1	Operation and Installation Storage				-20 °C to 70 °C -40 °C to 70 °C		
Minimum bending radius of the 900 µm buffered fibres	G01	With standard fibres With MaxCap-BB-OMx fibres With BendBright-XS fibers:				20 mm 7.5 mm 7.5 mm		

CONSTRUCTION

Fibre	2 -24 tightly buffered fibres 900 µm ± 50 µm.			
Fibre colour code	1	Red	13	Red w/mark every 70mm
	2	Green	14	Green w/mark every 70mm
	3	Blue	15	Blue w/mark every 70mm
	4	Yellow	16	Yellow w/mark every 70mm
	5	White	17	White w/mark every 70mm
	6	Grey	18	Grey w/mark every 70mm
	7	Brown	19	Brown w/mark every 70mm
	8	Violet	20	Violet w/mark every 70mm
	9	Turquoise	21	Turquoise w/mark every 70mm
	10	Black	22	Black w/mark every 70mm
	11	Orange	23	Orange w/mark every 70mm
	12	Pink	24	Pink w/mark every 70mm
Strength member	Ultra-high modulus aramid yarns			
Sheath colours	Cable with Singlemode fibres Cable with OM1 fibres Cable with MaxCap-Bend-Bright-OM4	Sky blue, RAL5015 Green, RAL6018 Erika-Violet, RAL4003		
Sheath	1.5 mm FireRes®, halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised			
Sheath marking	Draka UC ^{FIBRE} DI LSHF-FR Cca-s1a-d1-a1 ES9 <fibre count> <Fibre type><Fibre brand><Item No><Factory Number><Batch Number><Meter mark> J-V(ZN)H <fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>			

PRODUCT CODES

Product Code	Product Description	Fibre count	Fibre type	Fibre data sheet
FDCSM-02	Fiber Distribution Cable 02xSM G.657.A1	2	OS2 - BendBright G.657.A1	C17
FDCSM-04	Fiber Distribution Cable 04xSM G.657.A1	4	OS2 - BendBright G.657.A1	C17
FDCSM-12	Fiber Distribution Cable 12xSM G.657.A1	12	OS2 - BendBright G.657.A1	C17
FDCSM-24	Fiber Distribution Cable 24xSM G.657.A1	24	OS2 - BendBright G.657.A1	C17

FDCOM1-02	Fiber Distribution Cable 02xOM1	2	62.5/125 OM1	C02
FDCOM1-04	Fiber Distribution Cable 04xOM1	4	62.5/125 OM1	C02
FDCOM1-12	Fiber Distribution Cable 12xOM1	12	62.5/125 OM1	C02
FDCOM1-24	Fiber Distribution Cable 24xOM1	24	62.5/125 OM1	C02

FDCOM4-02	Fiber Distribution Cable 02xOM4	2	MaxCap-BB-OM4	C32
FDCOM4-04	Fiber Distribution Cable 04xOM4	4	MaxCap-BB-OM4	C32
FDCOM4-12	Fiber Distribution Cable 12xOM4	12	MaxCap-BB-OM4	C32
FDCOM4-24	Fiber Distribution Cable 24xOM4	24	MaxCap-BB-OM4	C32

FIBER SPECIFICATIONS

[OS2 - BendBright G.657.A1](#)

[62.5/125 OM1](#)

[MaxCap-BB-OM4](#)