

QANI-CI Cca 3kN(R01)

3000N, CT up to 24 fibres, glass yarns, steel tape, FireRes® sheath



C_{ca}
CPR

GENERAL INFO

Fibre optic cable with central loose tube filled with gel for structured cabling. Water-blocked central tube cable up to 24 fibres with glass yarns and corrugated steel tape armour for rodent protection. Use outdoors for duct installation and with its FireRes® sheathing this cable is ideal for indoor installations, high flame retardant and fire resistant. It can be used for LAN and WAN backbones, telecom access lines, fibre to business, fibre to the building drop connections and tunnels/galleries; as well as fibre to the home drop and access connections. DIN/VDE: U-D(ZN)(SR)H.

More information on fiber optic cable applications: [read more](#)

Latest version of this data sheet is available for download: [ProductFamily377131](#)

CABLE FEATURES

CERTIFICATIONS AND DESIGN STANDARDS



EN 50173-1

ISO/IEC 11801

IEC 60794-1

IEC 60794-2

IEC 60331-25, 750°C, 90 min.

EN 50200

Generic cabling systems

Generic cabling system

Optical fibre cables, test methods

Optical fibre cables, indoor cables specifications

Fire resistance (750°C / 90 minutes)

Fire resistance at 830°C during 120min + mechanical impacts

APPLICATION PROPERTIES

Resistant to UV	UV stabilised		
With rodent protection	Yes		
Min. outer temperature, fixed installation [°C]	-40	(max) [°C]	70
Min. outer temperature during installation [°C]	-20	(max) [°C]	60
Outdoor installation	Yes		
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD		

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Armouring/reinforcement	Yarns
Armouring/reinforcement material	Steel, galvanised
Material outer sheath	Low smoke zero halogen
Type of tube	Central tube
Cable metal free	Yes
Cable shape	Round
With rodent protection	Yes

IDENTIFICATION

Fiber color 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 White w/mark every 35mm
	11 Orange	23 Orange w/mark every 70mm
	12 Rose	24 Rose w/mark every 70mm
Colour outer sheath	Cable with SM fibres: BendBrightXSG.657.A2, BendBright G.657.A1 Yellow, RAL 1018	
	Cable with mixed fibre types (hybrid) Blue, RAL 5015	
	Cable with MaxCap-BendBright-OM3 Aqua, RAL 6027	
	Cable with MaxCap-BendBright-OM4 Erika-Violet, RAL 4003	
	Cable with BendBright WideCap-OM5 Lime-Green	

FIRE PROPERTIES

Insulation integrity	PH 120
Insulation integrity (acc. IEC 60331)	Yes
Flame retardant	In accordance with EN/IEC 60332-3-24
Low smoke (acc. IEC 61034-2)	Yes
Reaction-to-fire class (acc. EN 13501-6)	Cca
Smoke development class (acc. EN 13501-6)	s1a
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1

MECHANICAL PROPERTIES

Nominal outer diameter	8.5 mm
Cable weight	100 kg/km
Crush test	2,200 N/10cm
Max tensile strength during installation	3,000 N
Permanent tensile strength	1,000 N
Kink test	The cable do not form a kink when a loop is drawn together to a diameter of 12x the cable nominal diameter

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We reserve the right to do changes as a result of running product development and/or changes in standards

CABLE DETAILS

Product name	Colour outer sheath	Number of fibres	Category (fibre)	Fibre datasheet	DOP number	SAP	EL no.
G12-9/125 QANI-CI Cca	Orange	12	OS2	C17	1016693	60105362	1080091
G24-9/125 QANI-CI Cca	Orange	24	OS2	C17	1015662	60100125	1080092

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