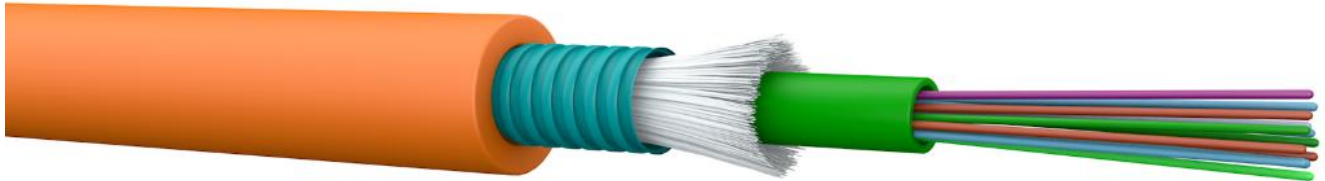![Draka — A brand of the Prysmian Group](logos)

R02: Universal Central Tube B2ca Armoured Gel-Filled Cable

3000N, Ind/Out, Class B2$_{ca}$-s1a-d1-a1, gel-filled, water-blocked central tube cable, up to 24 fibres, glass yarn, steel tape armouring and FireRes® sheath. DIN/VDE: U-D(ZN)(SR)H

B2$_{ca}$ CPR	C$_{ca}$ CPR	D$_{ca}$ CPR	E$_{ca}$ CPR

Application and installation

This cable 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.

With its FireRes® sheathing this cable is ideal for indoor installations.

It is CPR Class B2$_{ca}$ cable with very high flame retardant and high fire-resistant performances.

The cable with corrugated steel tape armouring is rodent proof.

The cable is well suited for installation in ducts and on trays indoor and shorter outdoor applications.

Standards

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

Flame resistance

LSHF-FR (FRNC):	IEC 60332-1-2; IEC 60332-3-24, IEC 60754-1; IEC 60754-2; IEC 61034; IEC 60331-25 (120min); EN 50200 PH120min
EN 50399:	Class B2$_{ca}$s1a-d1-a1, Class C$_{ca}$, Class D$_{ca}$, Class E$_{ca}$

Construction

Loose tube	ø2.8 mm gel-filled loose tube with 2 – 24 fibres			
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	White w/mark every 35mm
	11	Orange	23	Orange w/mark every 70mm
	12	Pink	24	Pink w/mark every 70mm
Strength member	E-Glass yarns			
Armouring	0.15 mm corrugated steel tape			
Sheath	1.5 mm, FireRes® sheath, UV stabilised, EN 50290-2-27	Orange, RAL 2003		
Sheath marking	Draka I/O CT CST LSHF-FR CI B2ca-s1a-d1-a1 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory Code><Batch Number><Meter mark> U-D(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>			

R02: Universal Central Tube B2ca Armoured Gel-Filled Cable

Physical properties

Property	IEC 60794-1-21/22 Test method	Value
Nominal outer diameter	-	2 - 24 fibres: 8.5 mm
Nominal weight	-	2 - 24 fibres: 100 kg/km
Tensile strength (installation)	E1	3000 N (fibre strain ≤ 0.6%)
Tensile strength (permanent)	E1	1000 N (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	2200 N / 100 mm
Torsion	E7	5 cycles ± 1 turn
Impact	E4	30 Nm
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 100 mm
Min. bending radius unloaded (permanent)	E11	R = 85 mm
Min. bending radius loaded (installation)	-	R = 170 mm
Temperature range	F1	Storage and installation: -40°C to +70°C Operation: -40°C to +70°C

Product codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		DR I/O CT CST LSHF-FR CI B2 3kN 4 OM3B 2003	4	MaxCap-BB-OM3	C31
		DR I/O CT CST LSHF-FR CI B2 3kN 6 OM3B 2003	6	MaxCap-BB-OM3	C31
		DR I/O CT CST LSHF-FR CI B2 3kN 8 OM3B 2003	8	MaxCap-BB-OM3	C31
		DR I/O CT CST LSHF-FR CI B2 3kN 12 OM3B 2003	12	MaxCap-BB-OM3	C31
		DR I/O CT CST LSHF-FR CI B2 3kN 24 OM3B 2003	24	MaxCap-BB-OM3	C31
		DR I/O CT CST LSHF-FR CI B2 3kN 4 SM7A1 2003	4	OS2 BendBright G.657.A1	C17
		DR I/O CT CST LSHF-FR CI B2 3kN 6 SM7A1 2003	6	OS2 BendBright G.657.A1	C17
		DR I/O CT CST LSHF-FR CI B2 3kN 8 SM7A1 2003	8	OS2 BendBright G.657.A1	C17
		DR I/O CT CST LSHF-FR CI B2 3kN 12 SM7A1 2003	12	OS2 BendBright G.657.A1	C17
		DR I/O CT CST LSHF-FR CI B2 3kN 24 SM7A1 2003	24	OS2 BendBright G.657.A1	C17

*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: www.prysmiangroup.com/cpr

LINKING THE FUTURE   www.prysmiangroup.com