

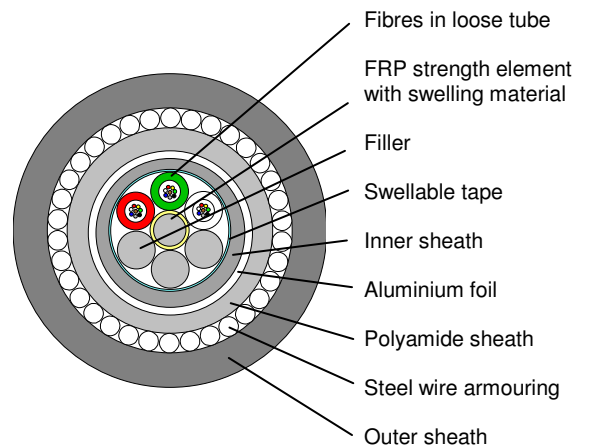


## PetroBlock™ protected Optical Cable - QLQP

**Outdoor – Direct Burial**  
**Chemical protected**  
**Flame retardant**  
**Loose tube**

### QLQP- O/DB/R10-JM/W

Optical cable for direct burial or duct installation in areas with chemicals and oils. The outer sheath is made of flame retardant and oil resistant PVC. The cable has a strong steel wire armouring which also acts as rodent protection. The *PetroBlock™* inner sheath protects the cable core against chemicals, oils and insects. The cable core contains swelling material to prevent longitudinal moisture penetration. The fibres are protected in jelly filled loose tubes stranded around a central strength member to ensure optimum performance and long life. Each fibre and loose tubes is colour coded for easy identification during splicing and termination. The outer sheath is marked to show fibre type and cable type. *PetroBlock™* protection sheath is tested and certified by Det norske Veritas (DnV). Test documentation is available on request.



### Weight and dimensions

Number of fibres	Number of fibres in each tube	Number of tubes + fillers	Loose tube diameter (mm)	Outer diameter (mm)	Weight kg/km
4	4	1+5	2.3	17.4	474
8	4	2+4	2.3	17.4	474
12	12	1+5	2.3	17.4	474
24	12	2+4	2.3	17.4	474
48	12	4+2	2.3	17.4	474

Other fibre counts are available on request.

### Cable properties

<b>Tensile strength</b> (IEC 60794-1-2E1)		<b>Temperature window</b>	
Max tensile load during installation	10.000 N	Operation	-40°C to +70°C
Max tensile load during operation	8.000 N	Installation	-10°C to +60°C
		Storage	-40°C to +70°C
<b>Crush</b> (IEC 60794-1-2E3)	3000 N/10 cm	<b>Water tightness</b> Cable core (IEC 60794-1-2F5)	< 3 m/24 hours
<b>Impact</b> (IEC 60794-1-2E4)	1 impact, 25 J	<b>Oil and chemical protection</b>	
<b>Torsion</b> (IEC 60794-1-2E7)	± 1 turn/1 m	Peel strength Aluminium overlapp (ASTM D1876)	> 40 N/25mm
<b>Cable bending</b>		DIN 57207, part 3A1,	
Minimum bending diameter	20 x D	ASTM Oil No.3	90°C, 74 weeks*
Cable bend (IEC 60794-1-2E11)	<0.1dB/ ± 5 turn	Diesel fuel	90°C, 74 weeks*
		*) No sign of gases or liquid inside the aluminium foil after tests.	



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### Ordering information

Part no	Number of fibres	Cabe Type	Fiber type	Fiber data sheet
699845	12	G12-9/125 QLQP-O/DB/R10-JM/W	OS2 Single mode	C06e
699846	24	G24-9/125 QLQP-O/DB/R10-JM/W	OS2 Single mode	C06e
630126	48	G48-9/125 QLQP-O/DB/R10-JM/W	OS2 Single mode	C06e
630123	12	G12-50/125 QLQP-O/DB/R10-JM/W	OM2 50/125 multi mode	C23
630124	24	G24-50/125 QLQP-O/DB/R10-JM/W	OM2 50/125 multi mode	C23
630125	48	G48-50/125 QLQP-O/DB/R10-JM/W	OM2 50/125 multi mode	C23
	12	G12-50/125OM3 QLQP-O/DB/R10-JM/W	OM3 MaxCap-OM3	C31
	24	G24-50/125OM3 QLQP-O/DB/R10-JM/W	OM3 MaxCap-OM3	C31
	48	G48-50/125OM3 QLQP-O/DB/R10-JM/W	OM3 MaxCap-OM3	C31
699772	4	G4-62.5/125 QLQP-O/DB/R10-JM/W	OM1 62.5/125 multi mode	C02
699773	8	G8-62.5/125 QLQP-O/DB/R10-JM/W	OM1 62.5/125 multi mode	C02
699774	12	G12-62.5/125 QLQP-O/DB/R10-JM/W	OM1 62.5/125 multi mode	C02
699840	24	G24-62.5/125 QLQP-O/DB/R10-JM/W	OM1 62.5/125 multi mode	C02
630152	48	G48-62.5/125 QLQP-O/DB/R10-JM/W	OM1 62.5/125 multi mode	C02

Other fibre types and qualities are available on request.

### Colour codes

Fibre number	Colour	Fibre number	Colour	Tube number	Colour
1	White	7	Brown	1	Red
2	Red	8	Black	2	Green
3	Yellow	9	Violet	3	White
4	Green	10	Turquoise	4	White
5	Blue	11	Orange	5	White
6	Grey	12	Pink	6(or more)	White

We reserve the right to alter this specification without notice.