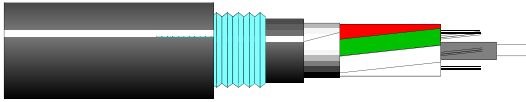
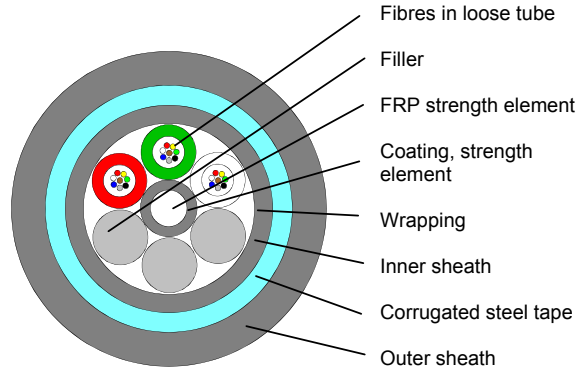


# Direct burial/duct cable QENE-O/DB/RM-JM/J



**Outdoor**  
**Rodent protection**  
**Corrugated steel armour**  
**Loose tube**

Optical cable for direct burial, ploughing or duct installation. The outer sheath is made of abrasion resistant polyethylene. The cable has a strong and flexible armouring of corrugated steel tape, which also acts as rodent protection. To allow flexibility and easy removal of the outer sheath, the corrugated steel tape is bonded to the outer sheath. The cable core is completely jelly filled to prevent moisture penetration. The cable core is non-metallic to reduce problems with induced high voltages. 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 tube is colour coded for easy identification during splicing and termination. The outer sheath is marked to show fibre type and cable type.



## Weight and dimensions

Number of fibres	Number of fibres in each tube	Number of tubes + fillers	Loose tube diameter (mm)	Cable diameter (mm)	Weight (kg/km)
12	12	1+5	2.8	15.2	220
24	12	2+4	2.8	15.2	220
36	12	3+3	2.8	15.2	220
48	12	4+2	2.8	15.2	220
72	12	6+0	2.8	15.2	220
96	12	8+0	2.8	17	260
144	12	12+0	2.8	21	380
192	24	8+0	2.8	17	260
240	24	10+0	2.8	19	320

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	3500 N	Operation	-40°C to +70°C
Max tensile load during operation	2000 N	Installation	-15°C to +60°C
		Storage	-40°C to +70°C
<b>Crush</b> (IEC 60794-1-2E3)	3500 N/10cm	<b>Water tightness, cable core</b>	< 3 m/24 hours
<b>Impact</b> (IEC 60794-1-2E4)	1 impacts, 75J	(IEC 60794-1-2F5)	
<b>Torsion</b> (IEC 60794-1-2E7)	± 1 turn/1 m		
<b>Cable bending</b>			
Minimum bending diameter	20 x D		
Cable bend (IEC 60794-1-2E11)	<0.1 dB / ± 5 turn		
Repeated bending (IEC 60794-1-2E6)	1000 cycles		

## Ordering information

9/125 fibre(SMF652B), Black*		50/125 fibre(MMF50HiCap), Black*		62.5/125 fibre(MMF62HiCap), Black*	
Part no.	Cable code	Part no.	Cable code	Part no.	Cable code
637200	G12-9/125 QENE-O/DB/RM-JM/J	637202	G12-50/125 QENE-O/DB/RM-JM/J	637204	G12-62.5/125 QENE-O/DB/RM-JM/J
637210	G24-9/125 QENE-O/DB/RM-JM/J	637212	G24-50/125 QENE-O/DB/RM-JM/J	637214	G24-62.5/125 QENE-O/DB/RM-JM/J
637220	G36-9/125 QENE-O/DB/RM-JM/J	637222	G36-50/125 QENE-O/DB/RM-JM/J	637224	G36-62.5/125 QENE-O/DB/RM-JM/J
637230	G48-9/125 QENE-O/DB/RM-JM/J	637232	G48-50/125 QENE-O/DB/RM-JM/J	637234	G48-62.5/125 QENE-O/DB/RM-JM/J
637250	G72-9/125 QENE-O/DB/RM-JM/J	637252	G72-50/125 QENE-O/DB/RM-JM/J	637254	G72-62.5/125 QENE-O/DB/RM-JM/J
637260	G96-9/125 QENE-O/DB/RM-JM/J	637262	G96-50/125 QENE-O/DB/RM-JM/J	637264	G96-62.5/125 QENE-O/DB/RM-JM/J
637270	G144-9/125 QENE-O/DB/RM-JM/J	637272	G144-50/125 QENE-O/DB/RM-JM/J	637274	G144-62.5/125 QENE-O/DB/RM-JM/J
637280	G192-9/125 QENE-O/DB/RM-JM/J	637282	G192-50/125 QENE-O/DB/RM-JM/J	637284	G192-62.5/125 QENE-O/DB/RM-JM/J
637290	G240-9/125 QENE-O/DB/RM-JM/J	637292	G240-50/125 QENE-O/DB/RM-JM/J	637294	G240-62.5/125 QENE-O/DB/RM-JM/J

\*)- Standard colour of outer sheath.

We reserve the right to alter this specification without notice.