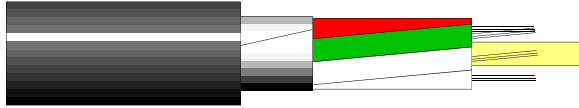


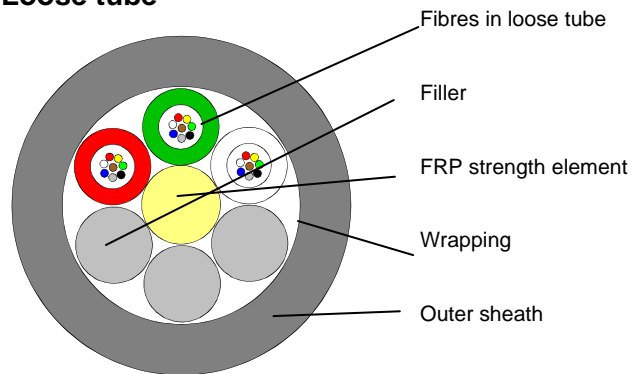
QXXE-O/DT-JM/J

Duct cable



**Outdoor
Non-metallic
Light weight
Loose tube**

Optical cable for duct installation. The outer sheath is made of abrasion resistant polyethylene. To allow easy installation of long lengths, the cable has a central FRP strength member. The cable is non-metallic to eliminate any problem with induced electrical currents. The cable core is completely jelly filled*) to prevent 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 tube is colour coded for easy identification during splicing and termination. The outer sheath is marked to show fibre type and cable type.



*) The cable can, on request be supplied with a dry cable core. Water swellable materials will then be provided to prevent water ingress.

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)
4	4	1+5	2.5	11.1	98
8	8	1+5	2.5	11.1	98
12	12	1+5	2.5	11.1	98
24	12	2+4	2.5	11.1	98
36	12	3+3	2.5	11.1	98
48	12	4+2	2.5	11.1	98
72	12	6+0	2.5	11.1	98
96	12	8+0	2.5	12.7	136
144	12	12+0	2.5	16.0	212
192	24	8+0	2.8	14.3	170
240	24	10+0	2.8	16.1	216
288	24	12+0	2.8	17.5	216
312	24	13+5(2layers)	2.8	17.9	276
408	24	17+1(2layers)	2.8	17.9	276
432	24	18+0(2layers)	2.8	17.9	276

Other fibre counts are available on request*)

Cable properties

Tensile strength (IEC 60794-1-2E1)		Cable bending	
Max tensile load during installation	2500 N	Minimum bending diameter	20 x D
Max tensile load during operation	1100 N	Cable bend (IEC 60794-1-2E11)	<0.1dB/ ±5 turn
		Repeated bending (IEC60794-1-E6)	1000 cycles
Crush (IEC 60794-1-2E3)	2000 N/10cm	Temperature window	
Impact (IEC 60794-1-2E4)	1 impacts, 15J	Operation	-40°C to +70°C
Torsion (IEC 60794-1-2E7)	± 1 turn/1m	Installation	-15°C to +60°C
		Storage	-40°C to +70°C

QXXE-O/DT-JM/J

Ordering information

9/125 fibre(C03e, SMF652D), Black**			
Part no.	Cable code		
1 006 123	G12-9/125 QXXE-O/DT-JM/J		
1 005 995	G24-9/125 QXXE-O/DT-JM/J		
1 013 439	G48-9/125 QXXE-O/DT-JM/J		
1 005 762	G96-9/125 QXXE-O/DT-JM/J		
1 006 124	G144-9/125 QXXE-O/DT-JM/J		
1 005 763	G192-9/125 QXXE-O/DT-JM/J		
1 006 755	G240-9/125 QXXE-O/DT-JM/J		
1 006 677	G288-9/125 QXXE-O/DT-JM/J		
1 006 678	G312-9/125 QXXE-O/DT-JM/J		
631 033	G384-9/125 QXXE-O/DT-JM/J		
1 005 823	G408-9/125 QXXE-O/DT-JM/J		
1 016 555	G432-9/125 QXXE-O/DT-JM/J		

*) – Other fibretypes and fiber counts on request. On inquiries or orders, please refer to datasheet number: D14QXXE.e28

**)- Standard colour of outer sheath.

We reserve the right to alter this specification without notice.