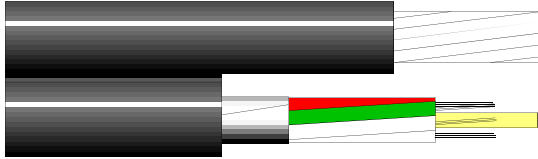




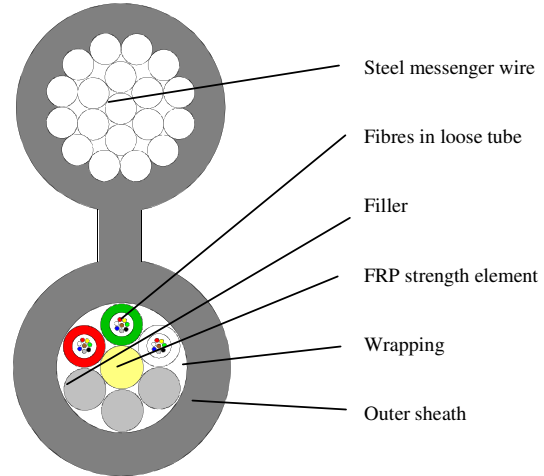
## QXWE-O/AM50-JM/J



### Aerial cable - medium span

**Outdoor**  
**Steel messenger wire(50 mm<sup>2</sup>)**  
**Non-metallic cable core**  
**Loose tube**

Optical cable for aerial installation along high voltage lines up to 110 kV. The outer sheath is made of abrasion resistant polyethylene. The cable has a steel messenger wire suitable for up to 650 m span lengths. Span length is dependent on ice load, wind load and installation sag. The messenger wire may be used as an earth wire. The figure 8 construction allows easy installation with cable grips attached to the messenger wire. The cable core is completely jelly filled to prevent moisture penetration. The cable core is non-metallic and can be easily separated from the steel messenger wire to eliminate problems with induced high voltages in termination and splice points. 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 core outer diameter (mm)	Messenger wire outer diameter (mm)	Weight (kg/km)
4	4	1+5	2.8	12.5	12	580
8	8	1+5	2.8	12.5	12	580
12	12	1+5	2.8	12.5	12	580
24	12	2+4	2.8	12.5	12	580
36	12	3+3	2.8	12.5	12	580
48	12	4+2	2.8	12.5	12	580
72	12	6+0	2.8	12.5	12	580
96	12	8+0	2.8	14.3	12	625

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	35000 N	Operation	-40°C to +70°C
Max tensile load during operation	35000 N	Installation	-15°C to +60°C
		Storage	-40°C to +70°C
<b>Crush</b> (IEC 60794-1-2E3)	2000 N/10cm	<b>Water tightness</b> (IEC 60794-1-2F5)	< 3 m/24 hours
<b>Impact</b> (IEC 60794-1-2E4)	1 impacts, 15J		
<b>Torsion, cable core</b> (IEC 60794-1-2E7)	± 1 turn/1 m		
<b>Cable bending</b>			
Minimum bending diameter	500/250 mm		
Cable bend (IEC 60794-1-2E11)	<0.1dB/ ± 5 turn		
Repeated bending (IEC 60794-1-2E6)	1000 cycles		



## QXWE-O/AM50-JM/J

### Ordering information

9/125 fibre(SMF652D), Black**		50/125 fibre(MMF50HiCap), Black**		62.5/125 fibre(MMF62HiCap), Black**	
Part no.	Cable code	Part no.	Cable code	Part no.	Cable code
637708	G4-9/125 QXWE-O/AM50-JM/J	637728	G4-50/125 QXWE-O/AM50-JM/J	637748	G4-62.5/125 QXWE-O/AM50-JM/J
637709	G8-9/125 QXWE-O/AM50-JM/J	637729	G8-50/125 QXWE-O/AM50-JM/J	637749	G8-62.5/125 QXWE-O/AM50-JM/J
637700	G12-9/125 QXWE-O/AM50-JM/J	637702	G12-50/125 QXWE-O/AM50-JM/J	637704	G12-62.5/125 QXWE-O/AM50-JM/J
637710	G24-9/125 QXWE-O/AM50-JM/J	637712	G24-50/125 QXWE-O/AM50-JM/J	637714	G24-62.5/125 QXWE-O/AM50-JM/J
637720	G36-9/125 QXWE-O/AM50-JM/J	637722	G36-50/125 QXWE-O/AM50-JM/J	637724	G36-62.5/125 QXWE-O/AM50-JM/J
637730	G48-9/125 QXWE-O/AM50-JM/J	637732	G48-50/125 QXWE-O/AM50-JM/J	637734	G48-62.5/125 QXWE-O/AM50-JM/J
637750	G72-9/125 QXWE-O/AM50-JM/J	637752	G72-50/125 QXWE-O/AM50-JM/J	637754	G72-62.5/125 QXWE-O/AM50-JM/J
637760	G96-9/125 QXWE-O/AM50-JM/J	637762	G96-50/125 QXWE-O/AM50-JM/J	637764	G96-62.5/125 QXWE-O/AM50-JM/J

\*) - Part number will be given on request. On inquiries or orders, please refer to datasheath number: D33qxwe.e11

\*\*)- Standard colour of outer sheath.

*We reserve the right to alter this specification without notice.*