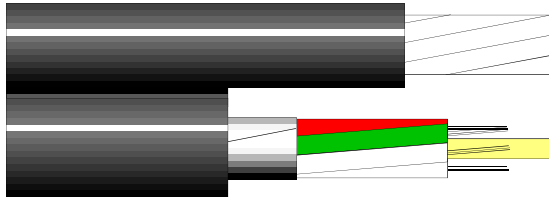




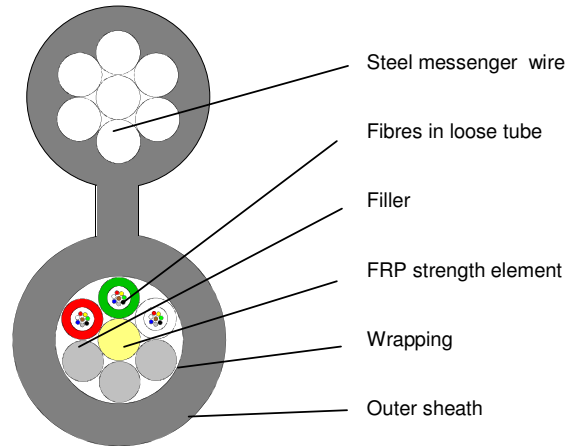
## QXWE-O/AM35-JM/J



### Aerial cable - medium span

**Outdoor**  
**Steel messenger wire(35 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 500 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	10.7	460
8	8	1+5	2.8	12.5	10.7	460
12	12	1+5	2.8	12.5	10.7	460
24	12	2+4	2.8	12.5	10.7	460
36	12	3+3	2.8	12.5	10.7	460
48	12	4+2	2.8	12.5	10.7	460
72	12	6+0	2.8	12.5	10.7	460
96	12	8+0	2.8	14.3	10.7	500

Other fibre counts are available on request\*).

### Cable properties

<b>Tensile strength</b> (IEC 60794-1-2E1) Max tensile load during installation Max tensile load during operation	25000 N 25000 N	<b>Temperature window</b> Operation Installation Storage	-40°C to +70°C -15°C to +60°C -40°C to +70°C
<b>Crush</b> (IEC 60794-1-2E3) <b>Impact</b> (IEC 60794-1-2E4) <b>Torsion, cable core</b> (IEC 60794-1-2E7)	2000 N/10cm 1 impact, 15J ± 1 turn/1 m	<b>Water tightness</b> (IEC 60794-1-2F5)	< 3 m/24 hours
<b>Cable bending</b> Minimum bending diameter Cable bend (IEC 60794-1-2E11) Repeated bending (IEC 60794-1-2E6)	400/250 mm <0.1dB/ ± 5 turn 1000 cycles		



## QXWE-O/AM35-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
637608	G4-9/125 QXWE-O/AM35-JM/J	637628	G4-50/125 QXWE-O/AM35-JM/J	637648	G4-62.5/125 QXWE-O/AM35-JM/J
637609	G8-9/125 QXWE-O/AM35-JM/J	637629	G8-50/125 QXWE-O/AM35-JM/J	637649	G8-62.5/125 QXWE-O/AM35-JM/J
637610	G12-9/125 QXWE-O/AM35-JM/J	637602	G12-50/125 QXWE-O/AM35-JM/J	637604	G12-62.5/125 QXWE-O/AM35-JM/J
637611	G24-9/125 QXWE-O/AM35-JM/J	637612	G24-50/125 QXWE-O/AM35-JM/J	637614	G24-62.5/125 QXWE-O/AM35-JM/J
637620	G36-9/125 QXWE-O/AM35-JM/J	637622	G36-50/125 QXWE-O/AM35-JM/J	637624	G36-62.5/125 QXWE-O/AM35-JM/J
637630	G48-9/125 QXWE-O/AM35-JM/J	637632	G48-50/125 QXWE-O/AM35-JM/J	637634	G48-62.5/125 QXWE-O/AM35-JM/J
637650	G72-9/125 QXWE-O/AM35-JM/J	637652	G72-50/125 QXWE-O/AM35-JM/J	637654	G72-62.5/125 QXWE-O/AM35-JM/J
637660	G96-9/125 QXWE-O/AM35-JM/J	637662	G96-50/125 QXWE-O/AM35-JM/J	637664	G96-62.5/125 QXWE-O/AM35-JM/J

\*) - Part number will be given on request. On inquiries or orders, please refer to datasheet number: D32qxwe.e13

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

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