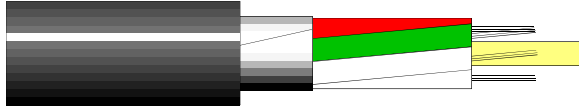


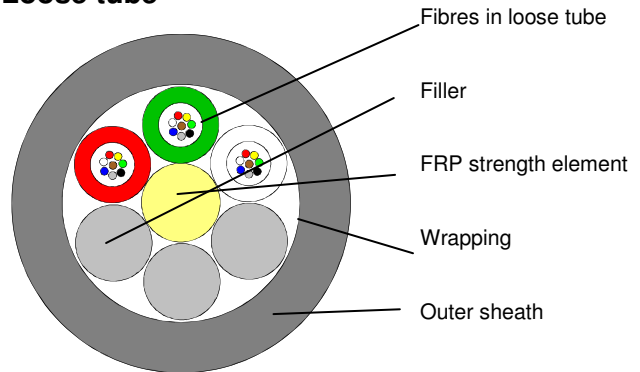
QXXE-O/DT-JM/J

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 | 270 |
| 408 | 24 | 17+1(2layers) | 2.8 | 17.9 | 270 |

Other fibre counts are available on request*)

Cable properties

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

QXXE-O/DT-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 |
| 637008 | G4-9/125 QXXE-O/DT-JM/J | 637028 | G4-50/125 QXXE-O/DT-JM/J | 637048 | G4-62.5/125 QXXE-O/DT-JM/J |
| 637009 | G8-9/125 QXXE-O/DT-JM/J | 637029 | G8-50/125 QXXE-O/DT-JM/J | 637049 | G8-62.5/125 QXXE-O/DT-JM/J |
| 637000 | G12-9/125 QXXE-O/DT-JM/J | 637002 | G12-50/125 QXXE-O/DT-JM/J | 637004 | G12-62.5/125 QXXE-O/DT-JM/J |
| 637010 | G24-9/125 QXXE-O/DT-JM/J | 637012 | G24-50/125 QXXE-O/DT-JM/J | 637014 | G24-62.5/125 QXXE-O/DT-JM/J |
| 637020 | G36-9/125 QXXE-O/DT-JM/J | 637022 | G36-50/125 QXXE-O/DT-JM/J | 637024 | G36-62.5/125 QXXE-O/DT-JM/J |
| 637030 | G48-9/125 QXXE-O/DT-JM/J | 637032 | G48-50/125 QXXE-O/DT-JM/J | 637034 | G48-62.5/125 QXXE-O/DT-JM/J |
| 637050 | G72-9/125 QXXE-O/DT-JM/J | 637052 | G72-50/125 QXXE-O/DT-JM/J | 637054 | G72-62.5/125 QXXE-O/DT-JM/J |
| 637060 | G96-9/125 QXXE-O/DT-JM/J | 637062 | G96-50/125 QXXE-O/DT-JM/J | 637064 | G96-62.5/125 QXXE-O/DT-JM/J |
| 637070 | G144-9/125 QXXE-O/DT-JM/J | 637072 | G144-50/125 QXXE-O/DT-JM/J | 637074 | G144-62.5/125 QXXE-O/DT-JM/J |
| 637080 | G192-9/125 QXXE-O/DT-JM/J | 637082 | G192-50/125 QXXE-O/DT-JM/J | 637084 | G192-62.5/125 QXXE-O/DT-JM/J |
| 637090 | G240-9/125 QXXE-O/DT-JM/J | 637092 | G240-50/125 QXXE-O/DT-JM/J | 637094 | G240-62.5/125 QXXE-O/DT-JM/J |
| 631090 | G288-9/125 QXXE-O/DT-JM/J | | G288-50/125 QXXE-O/DT-JM/J | | G288-62.5/125 QXXE-O/DT-JM/J |
| 631091 | G312-9/125 QXXE-O/DT-JM/J | | G312-50/125 QXXE-O/DT-JM/J | | G312-62.5/125 QXXE-O/DT-JM/J |
| 631034 | G408-9/125 QXXE-O/DT-JM/J | | G408-50/125 QXXE-O/DT-JM/J | | G408-62.5/125 QXXE-O/DT-JM/J |

*) - Part number will be given on request. On inquiries or orders, please refer to datasheet number: D14QXXE.e27

**)- Standard colour of outer sheath.

We reserve the right to alter this specification without notice.