

# Optical transmission systems

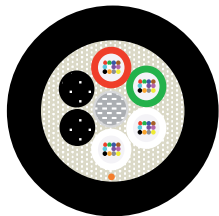


GOF - Glass Optical Fibre • Outdoor area - aerial cable



## HITRONIC® HQA Aerial Cable

Outdoor self-supporting aerial cable with stranded loose tubes and non-metallic strain relief; ADSS cable type



### Benefits

- Suitable for mild weather conditions
- Easy to install due to the compact design, high flexibility, robust sheath and small bending radii
- UV-resistant longitudinally and laterally watertight
- Zero electromagnetic interference as the cable contains no metal (totally dielectric)

### Application range

- For outdoor use
- Hanging on poles
- Laying on poles
- Installation on building columns

### Product features

- Stranded loose tubes with up to 96 fibres
- Colour-coded fibres and loose tubes
- Mechanical support members (central filler and aramid yarns)
- Robust, halogen-free outer sheath
- Span width up to 90m

### Product Make-up

- Up to 8 stranded gel-filled loose tubes
- Central GRP strength element
- Aramid yarns as strain relief
- PE outer sheath
- Colour: black (RAL 9005)

### Technical data

**Classification ETIM 5/6**  
 ETIM 5.0/6.0 Class-ID: EC000034  
 ETIM 5.0/6.0 Class-Description: Fibre optic cable

**Dimensions**  
 Primary coated fibre: 250µm  
 Cable: see table

**Core identification code**  
 Fibre colour code see data sheet

**Fibre type**  
 GOF - Glass Optical Fibre

**Standard designation**  
 A-DQ(ZN)2Y - ADSS  
 All-Dielectric Self-Supporting

**Optical values**  
 see data sheet

**Optical fibre type**  
 Core material: glass  
 Cladding material: glass

**Permissible bending radius**  
 Static:  $\geq 15 \times$  outer diameter  
 Dynamic:  $\geq 20 \times$  outer diameter

**Permissible tensile force**  
 MAT: 2000 N  
 EDS: 800 N

**Temperature range**  
 Fixed installation: -40°C to +70°C  
 Occasional flexing: -30°C to +70°C

Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
<b>Single-mode E 9 OS2</b>					
26640912	HITRONIC® HQA800 6x2E 9/125 OS2	9/125 OS2	12	9.7	73
26640924	HITRONIC® HQA800 6x4E 9/125 OS2	9/125 OS2	24	9.7	73
26640948	HITRONIC® HQA800 6x8E 9/125 OS2	9/125 OS2	48	10.9	92
26640972	HITRONIC® HQA800 6x12E 9/125 OS2	9/125 OS2	72	10.9	94
26640996	HITRONIC® HQA800 8x12E 9/125 OS2	9/125 OS2	96	12.4	121

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs and graphics are not to scale and do not represent detailed images of the respective products. Further cable versions are available on request.

### Accessories

- STAR STRIP stripping tool refer to page 985