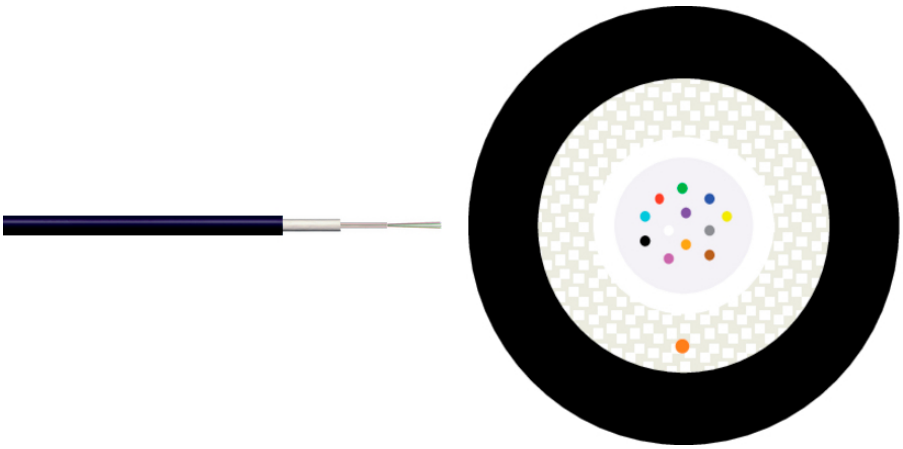
HITRONIC® HQN Outdoor Cable

Outdoor cable with central loose tube and non-metallic strain relief

HITRONIC® HQN outdoor cable with central loose tube, rodent protection, dielectric
A-DQ(ZN)B2Y with 4, 8, 12 or 24 fibres

Info

For outdoor applications
Suitable for direct burial



Mechanical and plant engineering

Mechanical resistance

Low weight

Optimum strain relief

UV-resistant

Waterproof

Benefits

Suitable for direct burial
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)
Suitable for blowing-in technic
(low friction outer sheath)

Application range

For outdoor use
Campus backbone

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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WAN applications
Industrial environments
Methods of Deployment: empty plastic pipes, ducts and trays
Suitable for blowing-in technics

Product features

Central loose tube with up to 24 fibres
Colour-coded fibres
Longitudinal watertight
Rodent-protection
Robust, halogen-free outer sheath

Product Make-up

Glass fibres with primary coating
Gel-filled loose tube
With reinforced glass yarn for strain relief and rodent protection.
PE outer sheath
Colour: black (RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000034 ETIM 5.0 Class-Description: Fibre optic cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000034 ETIM 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)B2Y
Optical values:	see data sheet
Optical fibre type:	Core material: glass Cladding material: glass
Permissible bending radius:	Static: ≥ 15 x outer diameter Dynamic: ≥ 20 x outer diameter
Permissible tensile force:	Fixed installation: 1500 N Short-term: 3000 N
Temperature range:	During installation: -5 °C to +50 °C Operating/storage temperature: -40 °C to +70 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
The cables can also be supplied as pre-terminated fibre optic trunks.
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.
Available on request with Multimode OM4 fibres.

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Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
Multimode G 50 OM4					
27600404	HITRONIC® HQN1500 4G 50/125 OM4	50/125 OM4	4	7.3	40
27600408	HITRONIC® HQN1500 8G 50/125 OM4	50/125 OM4	8	7.3	40
27600412	HITRONIC® HQN1500 12G 50/125 OM4	50/125 OM4	12	7.3	40
27600424	HITRONIC® HQN1500 24G 50/125 OM4	50/125 OM4	24	8.3	65
Multimode G 50 OM3					
27600304	HITRONIC® HQN1500 4G 50/125 OM3	50/125 OM3	4	7.3	40
27600308	HITRONIC® HQN1500 8G 50/125 OM3	50/125 OM3	8	7.3	40
27600312	HITRONIC® HQN1500 12G 50/125 OM3	50/125 OM3	12	7.3	40
27600324	HITRONIC® HQN1500 24G 50/125 OM3	50/125 OM3	24	8.3	65
Multimode G 50 OM2					
27600204	HITRONIC® HQN1500 4G 50/125 OM2	50/125 OM2	4	7.3	40
27600208	HITRONIC® HQN1500 8G 50/125 OM2	50/125 OM2	8	7.3	40
27600212	HITRONIC® HQN1500 12G 50/125 OM2	50/125 OM2	12	7.3	40
27600224	HITRONIC® HQN1500 24G 50/125 OM2	50/125 OM2	24	8.3	65
Multimode G 62.5 OM1					
27600104	HITRONIC® HQN1500 4G 62.5/125 OM1	62.5/125 OM1	4	7.3	40
27600108	HITRONIC® HQN1500 8G 62.5/125 OM1	62.5/125 OM1	8	7.3	40
27600112	HITRONIC® HQN1500 12G 62.5/125 OM1	62.5/125 OM1	12	7.3	40
27600124	HITRONIC® HQN1500 24G 62.5/125 OM1	62.5/125 OM1	24	8.3	65
Single-mode E 9 OS2					
27600904	HITRONIC® HQN1500 4E 9/125 OS2	9/125 OS2	4	7.3	40
27600908	HITRONIC® HQN1500 8E	9/125 OS2	8	7.3	40

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Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
	9/125 OS2				
27600912	HITRONIC® HQN1500 12E 9/125 OS2	9/125 OS2	12	7.3	40
27600924	HITRONIC® HQN1500 24E 9/125 OS2	9/125 OS2	24	8.3	65

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