


U.I. Lapp GmbH	PRODUCT INFORMATION	
	HITRONIC® HQN Outdoor Cable	12.09.2012

Suitable for direct burial
Easy to install due to the compact design, high flexibility, robust sheath and small bending radii
UV and water-resistant
Zero electromagnetic interference as the cable contains no metal



Info

A-DQ(ZN)B2Y
Outdoor cable with central loose tube and non-metallic strain relief

Application range

For outdoor use
Campus backbone
WAN applications
Industrial environments
Methods of Deployment: empty plastic pipes, ducts and trays

Design

Glass fibres with primary coating
Gel-filled loose tube
Water-blocking reinforced glass yarn strain relief
PE outer sheath
Colour: black (RAL 9005)

Product features

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

Remark

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 are not to scale and do not represent detailed images of the respective products.

Technical Data

Optical fibre type:	Core material: glass Cladding material: glass
Temperature range:	Fixed installation: -50 °C to +100 °C Occasional flexing: -30 °C to +70 °C
Permissible bending radius:	Static: ≥ 15 x outer diameter Dynamic: ≥ 20 x outer diameter
Permissible tensile force:	Fixed installation: 1500 N Short-term: 3000 N

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Part number	Article designation	Fibre type	Number of fibres	Outer diameter (mm)	Weight (kg/km)
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	9/125 OS2	8	7.3	40
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