



Qing Cables

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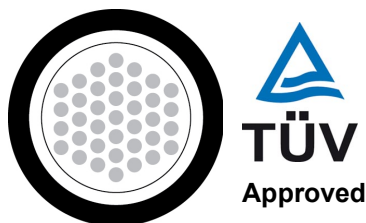
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This specification and images

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Photovoltaic Cable

H1Z2Z2-K Solar PV Cable – TUV approved to TUV EN50618; IEC62930

For use in Photovoltaic systems such as solar panel arrays

Suitable for Internal and External installations.

Physical Characteristics

	4.00mm ²	6.00mm ²	10.00mm ²
Conductor:	Class 5 Tinned Copper Wire	Class 5 Tinned Copper Wire	Class 5 Tinned Copper Wire
Size:	56/0.33mm	84/0.29mm	80/0.40mm
Insulation:	XL-LSZH Ø4.40mm	XL-LSZH Ø5.00mm	XL-LSZH Ø5.80mm
Insulation Colour:	Black	Black	Black
Outer Sheath:	XL-LSZH Ø5.50mm	XL-LSZH Ø6.00mm	XL-LSZH Ø7.40mm
Sheath Colours:	Black / Red [Blue, Brown to order]	Black / Red [Blue, Brown to order]	Black [Blue, Brown, Red to order]
CIBSE TM65 Embodied Carbon [kgCO ₂ e / 1000m]	362	592	846

Characteristics

Conductor DC Resistance:	5.09 [Ω/km]	3.39 [Ω/km]	1.95 [Ω/km]
Ambient Temperature:	-40°C → 90°C		
Maximum Operating Temp.	120°C		
Rated Voltage AC:	600/1000V		
Rated Voltage DC:	1500V		
Insulation Resistance:	>1,000 [MΩ/km]		
Bending Radius:	≥5x Diameter		
Spark Test	10,000 VAC		
Test voltage	6,500 VAC		
Ozone Resistance:	EN60811-403 Method A: EN 50396 8.1.3 Method B		
Weathering / UV Resistance:	EN50289-4-17		
Water Resistance	AD8		
Halogen Free	IEC 60754-1		
Flame Retardant	IEC 60332-1-2		
CPR / UKCA	Eca		
Lifespan	30 Years		

Also available:

- 1.5mm
- 2.5mm
- 16.0mm
- 25.0mm
- 35.0mm

Our full product range includes:

COAXIALS: RG / URM Digital / Satellite (incl Sky+) [CAI Approved] CCTV RF / Microwave
TELECOM: CW1308LSF CW1308LSZH CW1308B CW1128 CW1128/1198 CW1128/1252 Dropwire Jumper Wire CW1311 3002 Coax Flat Cordage
STRUCTURED WIRING: CAT5e UTP & FTP CAT6 UTP & FTP CAT6A U-UTP & U-FTP CAT7A S-FTP [PVC LSZH External UV PE SWA Versions]
DATA: Single Pair Shielded/Unshielded Overall Shielded Core Overall Shielded Pairs Foil & Braid Shield Individual Shielded Pairs Twinax [Belden Equivalents]
DEF STANDARD: 7/0.2 Unscreened / Screened 16/0.2 Unscreened / Screened
CCTV / SECURITY: RG/URM Coaxial Video/Door Entry Composites BS4737 Alarm Flex Mains Flex PH30/PH120 Fire Performance Cable
FIBRE OPTICS: Singlemode/Multimode Loose Tube/Tight Buffer Internal/External LSZH Corrugated Armour/SWA
SPEAKER FLEX: "QCSound" Pro Grade OFC Cores LSZH Sheaths External Grade
CONNECTED HOME: QCMCS [2x HDTV Coax] + [2x CAT6] + [1x CAT5e]
CONTROL BUS CABLES: KNX/EIB Bus Cables DataBus® DiviceNet™ PROFIBUS Lutron Grafik Eye® CRESSNET® SIMMTRONIC - EBus / MBus / OBus Echelon LonWorks® Mode Lighting
MAINS FLEX: H03VV-F H03VVH2-F H05VV-F H05Z1Z1-F BS6500/BS7919 Arctic Grade H07RN-F
SOLAR: TUV Approved PV Cable.

All our products are RoHS2 [2015/863] and REACH Compliant unless stated otherwise

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No legal responsibility can be accepted for any inaccuracy.

The company reserves the right to alter or modify the information without notice.

Any images are for illustration purposes only.

Registered in England & Wales No. 2181405 Directors: M.L.G.Taylor, L.J.Taylor, K.M.Wyld

Statement of Conformance

It is hereby certified that any goods supplied that reference those above, conform to this specification unless otherwise noted