

Siechem Irrigation Control Cables

Application

- ✓ Used to transmit and receive signals between Irrigation satellites, Central Computers, weather stations and sensors.
- ✓ Its mainly used in Irrigation satellites & Smart Hub Systems.
- ✓ Used in Underground Low Energy Systems.
- ✓ Used in Sprinklers Systems.

Product Construction

- ✓ Conductor : Soft-Annealed Solid Bare Copper Conductor
- ✓ Insulation : PE (Polyethylene)
- ✓ Insulation Colour : Black & White
- ✓ Inner Sheath: Extruded Non-hydroscopic Polyvinyl Chloride - White
- ✓ Outer Sheath : (HDPE) High Density Polyethylene
- ✓ Sheath Colour :Red
- ✓ Multicore

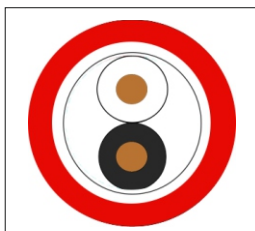
Technical Data

- ✓ Maximum Conductor Temperature : +90°C
- ✓ Maximum Short Circuit Conductor Temperature : +250°C
- ✓ Non-Hydroscopic fillers inserted in the valleys to ensure roundness.
- ✓ Current Rating Details :
- ✓ Maximum Current in Buried at 15°C (Amps) :
 - i) 1.5 Sq.mm : 42 Amps
 - ii) 2.5 Sq.mm : 48 Amps
- ✓ Maximum Current in Air at 30°C (Amps) :
 - i) 1.5 Sq.mm : 32 Amps
 - ii) 2.5 Sq.mm : 36 Amps
- ✓ Standards : As per customer specifications or generally similar to UL 1493 & UL 1581.

Features

- ✓ Direct Burial.
- ✓ Sunlight and Moisture resistant.
- ✓ High Cut-through resistance.
- ✓ High Tensile Strength.
- ✓ High Abrasion resistance.

2D View



Siechem

offers Electron Beam Cross Linked XLPE cables, short circuit resistant at 280°C for 3 minutes with - 45°C to + 125°C continuously rated cables on demand.

ISO 9001	ISO 14001	IATF 16949	OHSAS 18001
ISO 45001	IRIS TM Certification	REACH COMPLIANT	RoHS COMPLIANT

Part number	Conductor Construction			Insulation Wall Thickness (Nom)	Insulation Diameter (Nom)	Inner Sheath Thickness (Nom)	Outer Sheath Thickness (Nom)	Overall Diameter (Nom)	Max. Conductor Resistance at 20°C	Approx Weight of Cable	Current Rating in Air at 30°C
	Nominal Cross Sectional	No. of Strand	Diameter of Single Wire (Nom)								
	Sq.mm	No	mm	mm	mm	mm	mm	mm	Ω/km	kg/km	A
A8011302	2C x 1.5	1	1.38	0.7	2.80	0.5	1.8	10.7 ± 1.1	12.1	130	32
A8011602	2C x 2.5	1	1.77	0.7	3.16	0.5	1.8	11.5 ± 1.2	7.41	165	36



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
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www.siechem.com