

UNDERGROUND COMMUNICATION CABLE

2C, 16AWG, SHEILDED, PE Sheath

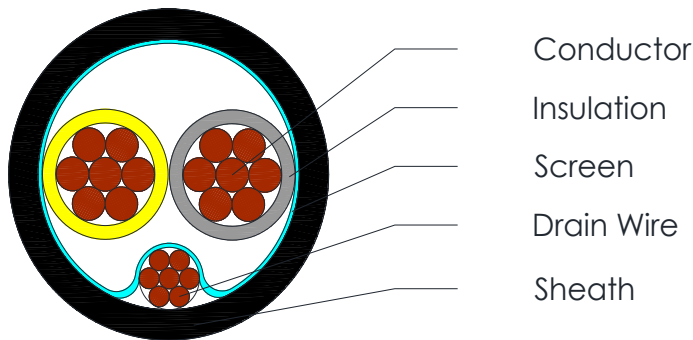


C6140

Applications

This specification covers requirements for an a direct burial shielded cable designed to transmit and receive signals between irrigation satellites, central computers, weather stations, and sensors. The cable utilizes stranded insulated conductors, aluminum shield and drain wire to minimize electrical, magnetic, and radio frequency interference.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire
Insulation	Polyvinylchloride (PVC) Core 1: Yellow Core 2: Grey
Twisting	Two wires are twisted as a pair
Screen	Al/PET Tape
Drain Wire	Tinned Copper Wire
Sheath Material	UV and Moisture Resistant Low Density Polyethylene (LDPE) Standard colour: Black
Standard Put Up Length	305 or 500 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Part Number	C6140
Number of pairs	1
Conductor size (AWG)	16
Conductor stranding	7x24
Nom. Radial Thickness Insulation (mm)	0.4
Nom. Radial Thickness Sheath (mm)	1.10
Nom. Overall Diameter(mm)	7.60
Operating Temperature (°C)	-25 / +75
Max. Recommended Pulling Tension (N)	270
Min. Bend Radius (install) (mm)	76
Nominal Cable Weight (kg/km)	56

Electrical Characteristics

Part Number	C6140
AWG size conductor	16
Max. DC Resistance Conductor (Ω /km)	15.47
Max. Operating Voltage (Vrms)	300

Reference Standards

(BS) EN 50290-2
IEC 60228
RoHS directives