



TR2161-Armoured Energy Cable

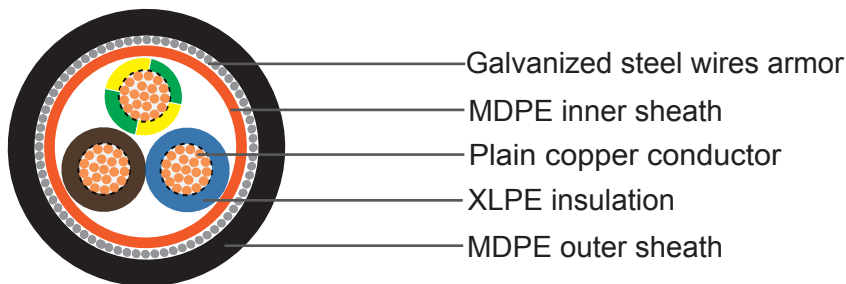
Application and Description:

TR2161 Non-armoured Energy Cable is a motorway cable sheathed with medium density polyethylene (MDPE) designed for street lighting.

Standard and Approval:

IEC 60502, BS 5467

Cable Construction:



- **Conductor:** Plain annealed stranded copper conductor, comply with IEC 60228 for Class 2
- **Insulation:** Cross linked polyethylene (XLPE)
- **Core Identification:** Brown, Blue, Green/Yellow
- **Inner Sheath:** Medium density polyethylene (MDPE), comply with IEC 60708.
- **Armor (for Armoured Cable Only):** Galvanized steel wires
- **Outer Sheath:** Medium density polyethylene (MDPE), comply with IEC 60708.
- **Sheath Color:** Black





Technical Characteristics:

- **Rated voltage:** 600/Kft volts
- **Minimum bending radius:** 12 x Ø
- **Rated temperature:** +90° C
- **Conductor resistance:**

Conductor size	mm ²	10	25	50	70	95	120	150
Resistance	ohms/km	1.83	0.727	0.387	0.268	0.193	0.153	0.124

- **Current rating in duct:**

Conductor size	mm ²	10	25	50	70	95	120	150
Current rating	A	92	152	217	266	319	33	406

- **Volt drop:**

Conductor size	mm ²	10	25	50	70	95	120	150
Volt drop	mv/m	4.1	1.65	0.87	0.6	0.45	0.37	0.3

Cable Parameter

Number of Cores	Nominal Conductor Area	Nominal Conductor Stranding	Inner Sheath Thickness	Armour thickness	Outer Sheath Thickness	Nominal O/D	Approx Cable Weight
	mm ²	NO./mm	mm	mm	mm	mm	Kg/km
3	10	7/1.35	1.0	1.25	1.8	19.1	881
3	25	7/2.14	1.0	1.60	1.8	24.9	1703
3	50	19/1.78	1.0	1.60	2.0	30.7	2660
3	70	19/2.14	1.0	1.60	2.0	34.6	3489
3	95	19/2.52	1.2	2.0	2.2	40.7	4903
3	120	37/2.03	1.2	2.0	2.3	44.4	5891
3	150	37/2.25	1.4	2.5	2.5	50.0	7521