



TR2153-Non Armoured Energy Cable

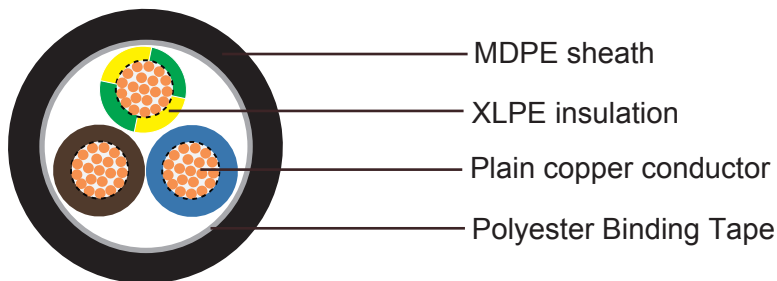
Application and Description:

TR2031 Non-armoured Energy Cable is a motorway cable sheathed with medium density polyethylene (MDPE) designed for street lighting.

Standard and Approval:

IEC 60502

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
- **Tape:** Polyester Binding Tape
- **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	35	50	70	95	120	150	185	240
Resistance	ohms/km	1.83	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754

- Current rating in duct:

Conductor size	mm ²	10	25	35	50	70	95	120	150	185	240
Current rating	A	75	124	-	161	196	234	269	307	-	-

- Volt drop :

Conductor size	mm ²	10	25	35	50	70	95	120	150	185	240
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	Insulation Thickness	Outer Sheath Thickness	Nominal O/D	Approx Cable Weight
	mm ²	NO./mm				
3	10	7/1.35	0.7	0.8	13	455
3	25	7/2.14	1.2	1.8	23	1192
3	35	7/2.52	1.4	1.8	26	1623
3	50	19/1.78	1.4	1.8	29	2180
3	70	19/2.14	1.4	1.9	33	3072
3	95	19/2.52	1.6	2.0	38	4220
3	120	37/2.03	1.6	2.1	42	5302
3	150	37/2.25	1.8	2.3	46	6515
3	185	37/2.52	2.0	2.6	52	8173
3	240	61/2.25	2.2	2.8	59	10705