

## TYPE ITC/PLTC-ER - Overall Shielded Armored



### Areas of Use

Instrumentation cables have a wide range of usage in process control and data processes, in analog and digital signal transmission. Factories, refineries, petrochemical plants, power plants, natural gas filling plants etc. make up the general areas that these cables are used. These cables meet the crush and impact requirements and deformation resistance according to UL 2556.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper (ASTM B3)
<b>Insulation</b>	PVC (UL 1581 Class 105°C, EN 50363-3 T13)
<b>Core Colors</b>	Multicore: White Numbered
<b>Lay-up</b>	Cores are stranded in layers
<b>Separator</b>	PET Foil
<b>Inner Sheath</b>	PVC (UL 1581 Class 105°C)
<b>Armour</b>	Round Galvanised Steel Wire
<b>Outer Sheath</b>	Heat Resistant and Sunlight Resistant PVC (UL 1581 Class 105°C), Black, Blue (other colors upon request)
<b>Reference Standards</b>	UL 13, UL 2250, NEC Article 725, NEC Article 727
<b>Overall Screen</b>	Al-PET Foil (with 7x0.3 mm Stranded Tinned Copper)

### Technical Properties

<b>Test Voltage</b>	1.5 kV
<b>Dielectric Voltage Withstand</b>	UL 2556
<b>Max. Operating Temperature</b>	Fixed: -40°C ... +105°C, Flexible: -5°C ... +60°C
<b>Operating Voltage</b>	300 V
<b>Flame Retardancy</b>	FT4/IEEE 1202 Flame Test (UL 1685), IEC/EN 60332-1, IEC/EN 60332-3-24 (CAT C)
<b>Oil Resistance</b>	ASTM No 2 oil 70°C 4 hours (IEC / EN 60811-404)
<b>Sunlight Resistance</b>	Acc. to UL 1581, Sec. 1200
<b>Min. Bending Radius</b>	8 x Cable Diameter
<b>Conductor Resistance</b>	UL 1581 - Section 220
<b>Insulation Resistance</b>	>100.1 MΩ/kft (at 15.6°C)

02.05.2026 20:22

**Legal Warning:** The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice. This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.

If you need more information about the products in this catalog, please contact us via [info@2mkablo.com](mailto:info@2mkablo.com) or call +90 (212) 222 8250.