



# Fire Resistant Cable

## 0.6/1.0 KV

### Product Code: FR-TH (Twisted Pair Single Core)



#### ■ APPLICATION

BENKA fire performance cables are specially designed and manufactured for applications related to cable systems in building and transport infrastructure which needs to be extremely fire resistant and reduce the consequences, personal injury and property damage. As such, they can be used for fire detection, alarm evacuation, fire alarm, audio, emergency lighting and critical communication circuit used in public access buildings and industrial complexes.

These cables are able to maintain circuit integrity in cases of fire, which when burnt produces very low quantities of smoke and virtually no acidic gases.



Construction	
<b>Conductor</b>	Stranded plain annealed copper conductor to IEC 60228, Class 2
<b>Fire barrier</b>	Mica tape (2 layers)
<b>Insulation</b>	Low smoke halogen free (LSZH) compound. Color: Natural & Black / Red & Black
<b>Twist</b>	Two single core wires twisted together

Technical Data	
<b>Working Voltage</b>	600/1000V
<b>Test Voltage</b>	3500V
<b>Rated Temperature</b>	-40oC to +90oC
<b>Insulation Resistance</b>	10 MΩ-km (min) @ 20°C DC 500V (EIA-364-21)
<b>Flexibility Test</b>	No cracking
<b>Flame Retardant</b>	In accordance to IEC 60332-1, IEC 60332-3-22
<b>Fire Resistant</b>	In accordance to IEC 60331-21, BS 6387 CWZ & SS 299
<b>Smoke emission</b>	In accordance to IEC 61034-2, BS EN 50268
<b>Halogen free</b>	In accordance to IEC 60754-1
<b>Acid and corrosive gases</b>	In accordance to IEC 60754-2
<b>Smoke density</b>	In accordance to IEC 61034
<b>Standard &amp; Approval</b>	ROHS
<b>Minimum bending radius</b>	12 x OD (static)

Part No.	Conductor cross-section mm <sup>2</sup>	Approx. Cable OD mm	Copper index kg/km	Approx. Cable Weight kg/km
<b>236 0110TP</b>	2x(1x1.0) Twisted	7.2	20.6	53
<b>236 0115TP</b>	2x(1x1.5) Twisted	8	28.8	62
<b>236 0125TP</b>	2x(1x2.5) Twisted	9.1	48.1	86