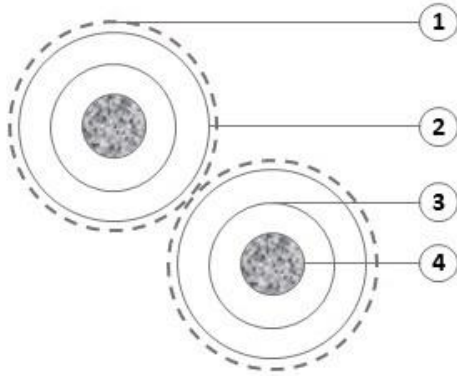


## Braided Double Insulated PVC/PVC Twin Twisted Flex Product Range: *BTWP*



### SCHEMATIC DRAWING

3 core construction



### CABLE CONSTRUCTION

1. Viscose Rayon braid
2. T13 type PVC outer insulation
3. T12 type PVC inner insulation
4. Electrolytic tinned flexible copper conductor

### APPLICATIONS

This product is designed for use as a pendant drop or table and floor lamps. Approval for rise and fall applications should be confirmed with ourselves prior to adoption.

### Characteristics

<u>Characteristics</u>	
<b>Rated Voltage:</b>	300 V <sub>ac</sub>
<b>Test Voltage:</b>	2500 V <sub>ac</sub>
<b>Temperature Range:</b>	-20 °C ÷ 90 °C
<b>Short-circuit Temperature:</b>	160 °C
<b>Minimum Bending Radius:</b>	10 x Overall Diameter

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Size Conductor [mm <sup>2</sup> ]	Conductor Stranding [N° x mm]	Electrical Resistance [Ω/Km]	Diameter on Insulation		Radial Thickness of Insulation	
			1 <sup>st</sup> Insulation	2 <sup>nd</sup> Insulation	1 <sup>st</sup> Insulation	2 <sup>nd</sup> Insulation
			[mm]		[mm]	
0.50	19 x 0.183	≤ 39.0	1.4 ± 0.1	1.9 ± 0.1	≥ 0.25	≥ 0.25
0.75	19 x 0.224	≤ 26.7	1.7 ± 0.1	2.2 ± 0.1	≥ 0.30	≥ 0.25

Flexform Product Code	Size Conductor [mm <sup>2</sup> ]	Outer Diameter [mm]
BTWP-253	2 x 0.50	4.5 ± 0.5
BTWP-353	2 x 0.75	5.1 ± 0.5

All versions of this cable can be ordered with a plain or patterned viscose rayon textile braid, available in over 60 colours. Please contact us for a list of available colours.

#### Cable Standards

Low Voltage European Directive No. 2014/35/UE.

#### Stranding of Conductor

Class 5 electrolytic tinned flexible copper conductor, conforming to IEC 60228 requirements.

#### Inner Insulation

T12 type PVC conforming to EN 50363-3 requirements, hardness: (92 ± 2) Sh-A.

#### Outer Insulation

Transparent T13 type PVC conforming to EN 50363-3 requirements, hardness: (87 ± 2) Sh-A. The outer covering will not be seperable from the inner insulation.

#### Cable Assembly

The cores are braided in viscose rayon before being twisted together.

#### Core Identification

**2 Core:** Brown ● Blue ●

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