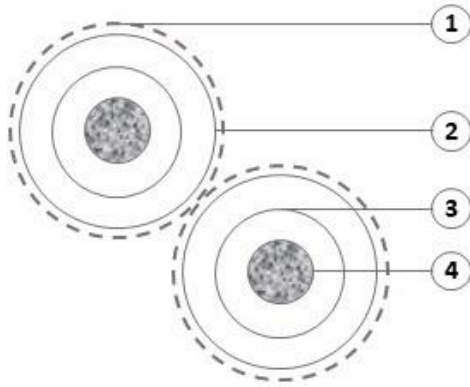


Braided Double Insulated PVC/FEP Twin Twisted Flex Product Range: *BTWF*



SCHEMATIC DRAWING

2 core construction



CABLE CONSTRUCTION

1. Viscose Rayon braid
2. 105 °C transparent PVC outer insulation
3. R5F type FEP 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

Rated Voltage:	300/500 V _{ac}
Test Voltage:	2500 V _{ac}
Temperature Range:	-55 °C ÷ 180 °C (only on inner insulation) -20 °C ÷ 105 °C (at outer insulation)
Short-circuit Temperature:	160 °C
Minimum Bending Radius:	14 x Overall Diameter

Revision Date:
30/06/2017

Issue No.
1.0

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Size Conductor [mm ²]	Conductor Stranding [N° x mm]	Electrical Resistance [Ω/Km]	Diameter on Insulation		Radial Thickness of Insulation	
			1 st Insulation [mm]	2 nd Insulation [mm]	1 st Insulation [mm]	2 nd Insulation [mm]
0.50	19 x 0.183	≤ 39.0	1.4 ± 0.05	1.9 ± 0.1	≥ 0.20	≥ 0.50
0.75	19 x 0.224	≤ 26.7	1.55 ± 0.05	2.5 ± 0.1	≥ 0.20	≥ 0.50

Flexform Product Code	Size Conductor [mm ²]	Outer Diameter [mm]
BTWF-253	2 x 0.50	5.3 ± 0.2
BTWF-353	2 x 0.75	5.6 ± 0.2

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	Electrolytic tinned flexible concentric rope copper conductor.
Inner Insulation	R5F type FEP conforming to EN 50363-0 requirements.
Outer Insulation	105 °C rated PVC, hardness: [87 ± 2] Sh-A.
Cable Assembly	The cores are braided in viscose rayon before being twisted together.
Core Identification	2 Core: Brown ● Blue ●

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