



**Wire Electric Supplies Ltd**  
 Stag Business Park  
 Donnington Wood  
 Telford  
 TF2 7NA

e-mail: [sales@wes.uk.com](mailto:sales@wes.uk.com)  
 website: [www.wes.uk.com](http://www.wes.uk.com)

# ARCTIC GRADE MULTI-CORE CABLE

## Application

Designed to withstand severe external temperatures remaining flexible at temperatures as low as -40°C. Arctic Grade PVC mains cords manufactured to BS6004 will remain flexible at temperatures down to minus 40°C making them particularly suitable for outdoor applications and for use where flexibility is required at sub zero temperatures. At normal temperatures the cable is especially flexible, offering some of the characteristics usually found in elastomeric cables.

## Standards

BS6004 (formerly BS7919, Table 44) VDE 281, BS EN/IEC 60332-1-2

## Conductor

Class 5 flexible plain copper conductors to BS EN 60228 (previously BS6360)

## Insulation & Sheath

Arctic grade PVC (Polyvinyl Chloride Type TI4 to BS EN 50363 and Type 10 to BS7655)

## Sheath Colour

Blue or Yellow

## Core Identification

2 Cores: Blue, Brown

3 Cores: Green/Yellow, Blue, Brown

## Voltage Rating

300v/500v

## Temperature Rating

-40°C to +70°C

## Maximum Bending Radius

6 x overall diameter

## Technical Specifications

# of Cores Cross sectional Area	Thickness of Insulation	Thickness of Sheath	Nominal Diameter	Nominal Weight
2 x 0.75mm	0.60mm	0.80	6.2mm	54.2kg/km
2 x 1.00mm	0.60mm	0.80	6.4mm	60.5kg/km
2 x 1.5mm	0.70mm	0.80	7.4mm	82.3kg/km
2 x 2.50mm	0.80mm	1.00	9.2mm	129.1kg/km
2 x 4.00mm	0.80mm	1.10	10.4mm	175.8kg/km
3 x 1.00mm	0.60mm	0.80	6.8mm	73.1kg/km
3 x 1.50mm	0.70mm	0.90	8.1mm	104.4kg/km
3 x 2.50mm	0.80mm	1.10	10.0mm	163kg/km
3 x 4.00mm	0.80mm	1.20	11.3mm	224kg/km

# ARCTIC GRADE MULTI-CORE CABLE – Page 2

## Electrical Characteristics

Conductor Cross Sectional Area mm <sup>2</sup>	Current Carrying Capacity at 30°C A
0.75	6
1.00	10
1.50	16
2.50	25
4.00	32

## Note

*This information is presented in good faith to assist the user in determining whether our products are suitable for their application. No warranty or representation, however, is intended or made; nor is protection from any law or patent to be inferred and all patent rights are reserved.*