

# Doncaster Cables

## 6181Y

### Single Core PVC Insulated and PVC Sheathed



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### Single Core PVC Insulated and PVC Sheathed Cable

Manufactured to BS 6004:2012 Table 3

Annealed Stranded Copper Conductor / PVC Insulated / PVC Sheathed. 300/500V

**Conductor :** Plain Annealed Copper Class 1 or 2 to BS EN 60228





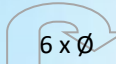
**Insulation:** PVC Type TI1 to BS EN 50363-3

**Sheathing:** PVC Type 6 to BS7655-4.2

**Current Ratings:** For current ratings refer to table 4D1 of BS7671 IEE Wiring Regulations Seventeenth Edition.

Designed for use in light industrial and domestic wiring. These cables are particularly suited for installation as meter tails and are intended for fixed installation in dry or damp premises.

These cables can be installed in conduit, in cable trunking and in cable ducting. Or where there is deemed little risk of mechanical damage these cables can be clipped direct, on cable tray, embedded or in free air. These cables are not intended to be laid underground.

<b>STANDARD CORE COLOURS</b>	<b>MINIMUM OPERATING TEMPERATURE</b>	<b>MAXIMUM OPERATING TEMPERATURE</b>	<b>MINIMUM BENDING RADIUS</b>
1 CORE  or  3 CORE 4 CORE 5 CORE	 -15°C	 70°C	 6 x Ø

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Reference Number	Harmonisation Code	Nominal Cross Sectional Area of Conductor (mm <sup>2</sup> )	Nominal Stranding of Conductor (mm)	Nominal Radial Thickness of insulation (mm)	Nominal Radial Thickness of sheath (mm)	Overall Diameter Lower Limit (mm)	Overall Diameter Upper Limit (mm)	Approximate Weight (kg/km)
6181Y1.0	National Type	1.0	1 / 1.13	0.6	0.8	3.8	4.5	26
6181Y1.5	National Type	1.5	1 / 1.38	0.7	0.8	4.2	4.9	35
6181Y2.5	National Type	2.5	1 / 1.78	0.8	0.8	4.8	5.8	55
6181Y4.0	National Type	4.0	7 / 0.85	0.8	0.9	5.4	6.8	75
6181Y6.0	National Type	6.0	7 / 1.04	0.8	0.9	6.0	7.4	95
6181Y710	National Type	10.0	7 / 1.35	1.0	0.9	7.2	8.8	155
6181Y716	National Type	16.0	7 / 1.70	1.0	1.0	8.4	10.5	225
6181Y725	National Type	25.0	7 / 2.14	1.2	1.1	10.0	12.5	340
6181Y725F	National Type	25.0	19 / 1.28	1.2	1.1	10.0	12.5	340
6181Y735	National Type	35.0	7 / 2.52	1.2	1.1	11.0	13.5	445

Weight and dimensional information is provided as an approximate guide only.

## Product Certification Schedule

Schedule No: 040/001/334  
Licensee: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ  
Factory: DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ  
Specification: BS 6004:2012 Electric Cables - PVC insulated and PVC sheathed cables for voltages up to and including 300/500V, for electric power and lighting  
Type of Cable: Table 3 - PVC insulated, PVC sheathed cable, 300/500 V, single core 6181Y, flat twin 6192Y and flat 3-core 6193Y  
HAR Document: Not applicable  
HAR Specification: Not applicable  
Range of Approval: 1sqmm to 2.5sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 1 conductor. 4sqmm to 35sqmm nominal cross-sectional area of conductors inclusive. Single-core. Class 2 conductor. 1sqmm to 2.5sqmm nominal cross-sectional area of conductors inclusive. Flat twin to flat 3-core inclusive. Class 1 conductor. Sheath - Type 6. Insulation - T11.  
Origin Thread: BLUE/BROWN/GREY/ORANGE  
Origin Mark: DONCASTER CABLES or GB CABLES

### PERMISSIBLE MARKS



# BASEC

YELLOW  
ACETATE  
THREAD

Please refer to the BASEC Product Certification Requirements

Expiry Date: 05/02/2020

Signed for and on behalf of the British Approvals Service for Cables

Date 23/01/2017

This Certificate and Schedule(s) remains the property of BASEC, and shall be returned when required.



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