



Doncaster Cables

6181Y

Single Core PVC Insulated and PVC Sheathed Cable



Manufactured to BS 6004 Table 3

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

Conductor:	Plain Annealed Copper Class 1 or 2 to BS EN 60228
Insulation:	PVC Type T11 to BS EN 50363-3
Sheathing:	PVC Type 6 to BS7655-4.2

Current Ratings: For current ratings refer to table 4D1 of BS7671 IET Wiring Regulations

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.

STANDARD CORE COLOURS

1 CORE  or 



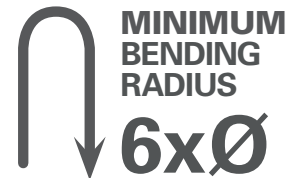
**MINIMUM
OPERATING
TEMPERATURE**

-15°C



**MAXIMUM
OPERATING
TEMPERATURE**

70°C



**MINIMUM
BENDING
RADIUS**

6xØ

The British Cable Company You Can Trust



Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ

Tel: 01302 821700 Email: sales@doncastercables.com



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6181Y

Single Core PVC Insulated and PVC Sheathed Cable



Dimensional Details:

Product Code	Harmonisation Code	Nominal Cross Sectional Area of Conductor (mm ²)	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.



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Doncaster Cables

6491X (H07V-U / H07V-R)

PVC Insulated Single Core Conduit Cable



Manufactured to BS EN 50525-2-31 Clause 4.1, Table B.1
Annealed Copper Conductor / PVC Insulated. 450/750V

Conductor: Plain Annealed Copper Class 1 or 2 to BS EN 60228
Insulation: PVC Type T11 to BS EN 50363-3

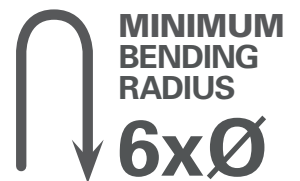
Current Ratings: For current ratings refer to table 4D1 of BS7671 IET
Wiring Regulations.

These cables are intended for installation in surface mounted or embedded conduits, or similar closed systems. These cables are suitable for use in channels with cover. Suitable for fixed protected installation in or on light fittings and inside applications, switchgear and controlgear, for voltages up to 750V a.c or up to 450V to earth d.c.. When installed in an earthed metal enclosure, cables are suitable for voltages up to 1000V a.c or up to 750V to earth d.c.

STANDARD CORE COLOURS



(Other colours available)



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Doncaster Cables

6491X (H07V-U / H07V-R)

PVC Insulated Single Core Conduit Cable



Dimensional Details:

Product Code	Harmonisation Code	Nominal Stranding of Conductor (mm ²)	Nominal Stranding of Conductor (mm)	Nominal Radial Thickness of insulation (mm)	Overall Diameter Lower Limit (mm)	Overall Diameter Upper Limit (mm)	Approximate Weight (kg/km)
6491X	HO5V-U	1.0*	1 / 1.13	0.6	2.2	2.7	15
6491X	HO7V-U	1.5	1 / 1.38	0.7	2.6	3.2	21
ST91X	HO7V-R	1.5	7 / 0.53	0.7	2.7	3.3	21
6491X	HO7V-U	2.5	1 / 1.78	0.8	3.2	3.9	33
ST91X	HO7V-R	2.5	7 / 0.67	0.8	3.3	4.0	35
6491X	HO7V-R	4.0	7 / 0.85	0.8	3.8	4.6	50
6491X	HO7V-R	6.0	7 / 1.04	0.8	4.3	5.2	70
6491X	HO7V-R	10.0	7 / 1.35	1.0	5.6	6.7	120
6491X	HO7V-R	16.0	7 / 1.70	1.0	6.4	7.8	175
6491X	HO7V-R	25.0	7 / 2.14	1.2	8.1	9.7	290
6491X	HO7V-R	35.0	7 / 2.52	1.2	9.0	10.9	400
6491X	HO7V-R	50.0	19 / 1.78	1.4	10.6	12.8	565
6491X	HO7V-R	70.0	19 / 2.14	1.4	12.1	14.6	770
6491X	HO7V-R	95.0	19 / 2.52	1.6	14.1	17.1	1010
6491X	HO7V-R	120.0	37 / 2.03	1.6	15.6	18.8	1260
6491X	HO7V-R	150.0	37 / 2.25	1.8	17.3	20.9	1522
6491X	HO7V-R	185.0	37 / 2.52	2.0	19.3	23.3	1900
6491X	HO7V-R	240.0	61/2.25	2.2	22.0	26.6	2490
6491X	HO7V-R	300.0	61/2.52	2.4	24.5	29.6	3100

*1.0mm² is 300/500V

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