



## FLAT SUBMERSIBLE CABLE

**DESIGN CODE : WSIS09CYUAY1003C016S**

**Document ID: TE/QMS/F/02**

<b>Particulars</b>		<b>3 Core X 16 Sq.mm</b>
Name of Manufacturer		Polycab India Ltd
Type of cable		Submersible Cable
Voltage Grade (Volts)		1100
No of cores X size in Sq.mm.		3 Core X 16 Sq.mm
<b>Conductor</b>		
a) Material		Bunched copper conductor as per Class 5 of IS 8130/2013, latest
b) Max. d.c. resistance of conductor at 20° C (ohm/km)		1.21
c) Shape of the conductor		Flexible Circular
<b>Insulation</b>		
a) Material		PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)		1.0
c) Core identification		Red , Yellow and Blue
<b>Sheath</b>		
a) Material		Extruded PVC Type ST3 as per IS 5831/1984, Latest
b) Nominal Thickness (mm)		1.4
c) Colour of outer sheath		Black
Maximum overall dimension of the cable in (mm)		29 x 12.4
<b>Electrical Parameters</b>		
Maximum conductor temperature under normal operating condition		70° C
Maximum conductor temperature at the terminal of short circuit		160° C

**Continuous Current carrying capacities :-**

a) In Air at 40° C (A) 63

Applicable Standard IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates

Minimum bending radius 6 times Overall diameter

**Fire Properties**

a) Flamability test As per IEC 60332-1-2

Printing POLYCAB <SIZE SQ.MM> 1100V IS : 694 <ISI LOGO>  
CM/L - 2832257, HALOL - <CE MARKING>