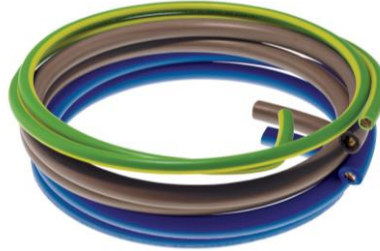


GUARANTEED TECHNICAL PARTICULAR FOR FLEXI TAIL

25 SQ.MM 6181Y BLUE-BLUE

Cable Type:

Copper conductor PVC insulated and sheathed single core cable voltage rating of 300/500V



Application: Typically used for small power and lighting applications.

Applicable standard: BS 6004:2012, Table 4

CABLE SIZE :

CABLE SIZE :		UNIT	25
SR.NO.	PARAMETER	UNIT	SPECIFICATION
A General Particulars			
1	Make & Country	-	RR KABEL , INDIA
2	Type		6181Y
3	Volatage Grade	V	300/500 volts
4	Standard drum length with tolerance	mtr	1000 (± 5%)
5	Recommended minimum bending radius	mm	Cable diameter x 8
B Design & Construction			
Conductor			
1	a) Material		Annealed Round Copper as per BS EN 60228
	b) Type of Conductor		Class - 2
	d) Maximum conductor temperature for cont. use	Deg C	70
	d) Maximum conductor resistance at 20 deg c	Ohm/Km	0.727
	f) No of Strand	Nos.	19
	g) One strand diameter before Stranding	mm	1.26
	i) Conductor diameter	mm	6.3
Insulation of Conductor			
2	a) Material		PVC TI 1
	b) Type		As per BS EN 50363-3
	c) Thickness nominal	mm	1.20
	d) Color of core		BLUE
	e) Minimum insulation resistance	mΩ. Km	0.0050
	f) Before Aging test		
	1) Tensile Strength	N / mm ²	12.5 min
	2) Elongation at break	%	125 min
	g) Approx. dia over insulation	mm	8.8
Outer Sheath			
3	a) Material		PVC Type 6 as per BS 7655-4.2
	b) Thickness Nominal	mm	1.10
	c) Color of sheath		BLUE
	d) Shape of cable		Round
	e) Approx cable diameter	mm	11.10
	f) Before Aging test		
	1) Tensile Strength	N / mm ²	6 min
	2) Elongation at break	%	125 min
	e)Flammability test		
	1) Length of undecomposed portion from top clamp	mm	50 min
2) Period of burning after removal of flame	sec.	60 max	
4	Embossing on cable	RR KABEL ELECTRIC CABLE 300/500 V BS 6004:2012 6181Y 1 X mm² 2019 H	
5	High Voltage Test	As per Annex. E BS 6004:2012	

Do not Emboss "H" at the end if color of core and sheath is other than standard.

25 SQ.MM 6181Y BROWN-BROWN			
Cable Type:		Copper conductor PVC insulated and sheathed single core cable voltage rating of 300/500V	
Application: Typically used for small power and lighting applications.			
Applicable standard: BS 6004:2012,Table 4			
CABLE SIZE :			25
SR.NO.	PARAMETER	UNIT	SPECIFICATION
A General Particulars			
1	Make & Country	-	RR KABEL , INDIA
2	Type		6181Y
3	Volatage Grade	V	300/500 volts
4	Standard drum length with tolerance	mtr	1000 (± 5%)
5	Recommended minimum bending radius	mm	Cable diameter x 8
B Design & Construction			
Conductor			
1	a) Material		Annealed Round Copper as per BS EN 60228
	b) Type of Conductor		Class - 2
	d) Maximum conductor temperature for cont. use	Deg C	70
	d) Maximum conductor resistance at 20 deg c	Ohm/Km	0.727
	f) No of Strand	Nos.	19
	g) One strand diameter before Stranding	mm	1.26
	h) Conductor diameter	mm	6.3
	Insulation of Conductor		
2	a) Material		PVC TI 1
	b) Type		As per BS EN 50363-3
	c) Thickness nominal	mm	1.20
	d) Color of core		BROWN
	e) Minimum insulation resistance	mΩ. Km	0.0050
	f) Before Aging test		
	1) Tensile Strength	N / mm ²	12.5 min
	2) Elongation at break	%	125 min
	g) Approx. dia over insulation	mm	8.56
Outer Sheath			
3	a) Material		PVC Type 6 as per BS 7655-4.2
	b) Thickness Nominal	mm	1.10
	c) Color of sheath		BROWN
	d) Shape of cable		Round
	e) Approx cable diameter	mm	11.10
	f) Before Aging test		
	1) Tensile Strength	N / mm ²	6 min
	2) Elongation at break	%	125 min
	e)Flammability test		
	1) Length of undecomposed portion from top clamp	mm	50 min
2) Period of burning after removal of flame	sec.	60 max	
4	Embossing on cable	RR KABEL ELECTRIC CABLE 300/500 V BS 6004:2012 6181Y 1 X mm² 2019 H	
5	High Voltage Test	As per Annex. E BS 6004:2012	
Do not Emboss "H" at the end if color of core and sheath is other than standard.			
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16 SQ.MM BS EN 50525-2-31 :2011 6491x			
CABLE TYPE:- Class -2 Copper Conductor, PVC Insulated Single core cable as per BS EN 50525-2-31:2011			
Cable Size :-		16.0 mm ²	
SR.NO	PARAMETER	UNIT	Specification
CONDUCTOR AT DRAWING			
1	a) Material	Annealed Copper	
	b) Type of Conductor	Class-2 circular Compact conductor as per BS EN 60228	
	c) No of Wires	7	
	e) Conductor Resistance (Max)	Ω/KM	1.150
INSULATION			
2	a) Material	PVC TI-1	
	b) Dia Of Cable (max)	mm	7.80
	c) Thickness (Nom)	mm	1.00
	d) Tensile Strength	N / mm ²	12.5 min
	e) Elongation at break	%	125 min
	f) IR constant at 70 °C	Mohm.k m	0.0056
	g) Flammability test		
	1) Length of undecomposed portion from top clamp	mm	50 min
2) Period of burning after removal of flame	sec.	60 max	
3	Printing message of cable	BASEC RR KABEL W 16.0 SQ.MM 450/750V H07V-R BS EN 50525-2-31:2011 MADE IN INDIA 6491x	
Prepared By: Dhairya Parmar		Doc. No- RRKL W/GTP/2019/0247	
Date:29/05/2019		Revision: 00	
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