FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 1 X 1.5 MM2 SOLID CU PVC RED : 450/750 V BS6004 : INSULATION

Design and Construction Data

Reference Manufacturing Standards		IEC 60228 , BS 6004 , BS EN 50525-2-31
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	450/750
Number of Conductors x Cross-Section	mm²	1 x 1.5
Conductor Material & Shape		Copper & Solid Class 1
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.70
Insulation Color		Red
Approximate Cable Overall Diameter	mm	2.60-3.20
Approximate Cable Weight	Kg/km	20.920

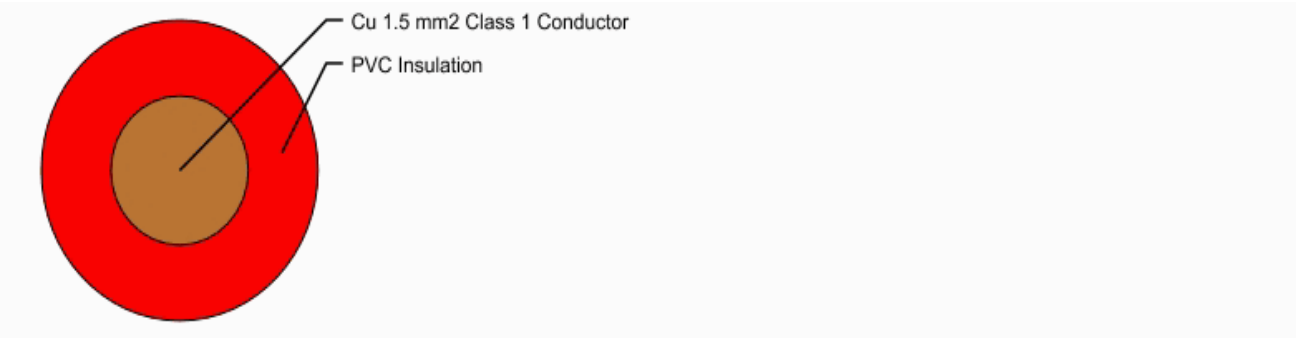
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	12.10
Min Insulation Resistance at 70°C	M ohm.km	0.011
High Voltage Test at 2.5kV for 5 min		No Breakdown Shall Occur
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	17.5
Direct in Ground or Ducting in Ground @20 °C	Amp	-
Minimum Bending Radius	mm	-
The Cable shall meet all Test requirements		IEC 60228 , BS 6004 , BS EN 50525-2-31

Cable Marking

1x1.5 mm² SOLID CU/PVC ELECTRIC CABLE 450/750 V BS 6004 FAST CABLES LTD Y.O.M

Cable Drawing



1 X 1.5 MM2 SOLID CU PVC RED : 450/750 V BS6004 : INSULATION		Approx. Diameter
Solid Copper Conductor with round shape	mm	1.38
Insulated	mm	2.60-3.20

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 1 X 2.5 MM2 SOLID CU PVC BLACK : 450/750 V BS6004 : INSULATION

Design and Construction Data

Reference Manufacturing Standards		IEC 60228 , BS 6004 , BS EN 50525-2-31
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	450/750
Number of Conductors x Cross-Section	mm²	1 x 2.5
Conductor Material & Shape		Copper & Solid Class 1
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Black
Approximate Cable Overall Diameter	mm	3.20-3.90
Approximate Cable Weight	Kg/km	32.639

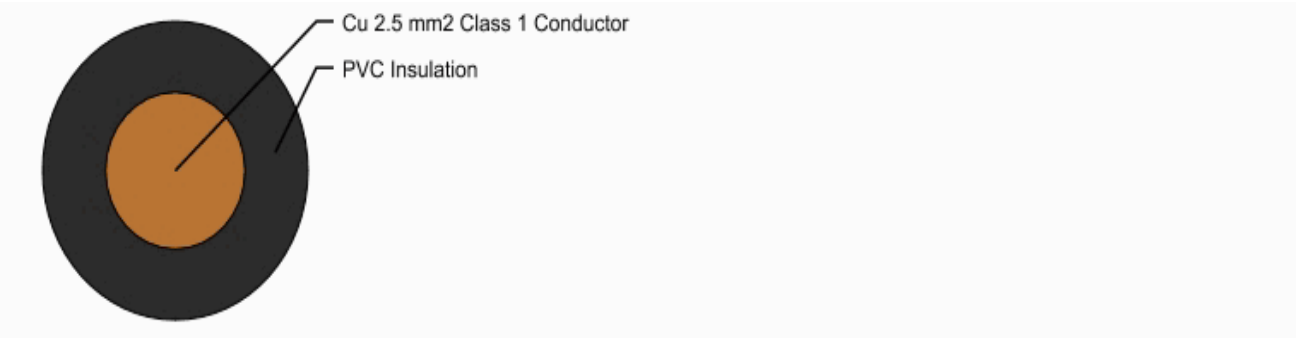
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.41
Min Insulation Resistance at 70°C	M ohm.km	0.010
High Voltage Test at 2.5kV for 5 min		No Breakdown Shall Occur
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	24
Direct in Ground or Ducting in Ground @20 °C	Amp	-
Minimum Bending Radius	mm	-
The Cable shall meet all Test requirements		IEC 60228 , BS 6004 , BS EN 50525-2-31

Cable Marking

1x2.5 mm² SOLID CU/PVC ELECTRIC CABLE 450/750 V BS 6004 FAST CABLES LTD Y.O.M

Cable Drawing



1 X 2.5 MM2 SOLID CU PVC BLACK : 450/750 V BS6004 : INSULATION		Approx. Diameter
Solid Copper Conductor with round shape	mm	1.77
Insulated	mm	3.20-3.90

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 1 X 3/0.029 INCH CIRCULAR CU PVC RED : 250/440 V BS2004 : INSULATION

Design and Construction Data

Reference Manufacturing Standards		BS 2004
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	250/440
Number of Conductors x Cross-Section	INCH	1 x 3/0.029
Conductor Material & Shape		Copper & Stranded Class 2 Circular
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.889
Insulation Color		Red
Approximate Cable Overall Diameter	mm	3.378
Approximate Cable Weight	Kg/Km	23.5846

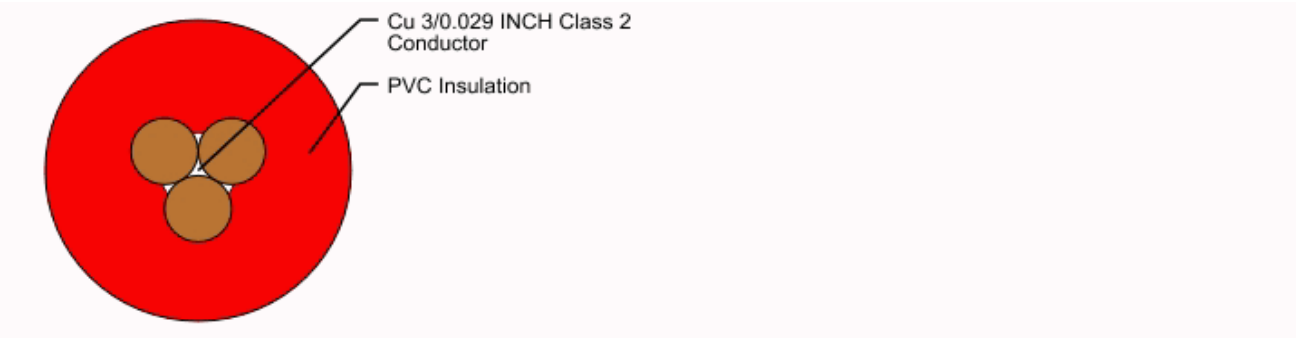
Electrical Data

Max Conductor DC resistance @ 20 °C	ohms/km	14.03
Min Insulation Resistance at 20°C	M ohm.km	22
High Voltage Test at 1.5kV for 5 min		No Breakdown Shall Occur
Current Carry Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	14
Direct in Ground or Ducting in Ground @20 °C	Amp	
Minimum Bending Radius	mm	
The Cable shall meet all Test requirements		BS 2004

Cable Marking

1X3/0.029" CU/PVC ELECTRIC CABLE 250/440 V BS 2004 FAST CABLES LTD Y.O.M

Cable Drawing



1 X 3/0.029 INCH CIRCULAR CU PVC RED : 250/440 V BS2004 : INSULATION		Approx. Diameter
Stranded Copper Conductor with round shape	mm	1.6
Insulated	mm	3.378

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 1 X 7/0.029 INCH CIRCULAR CU PVC BLACK : 250/440 V BS2004 : INSULATION

Design and Construction Data

Reference Manufacturing Standards		BS 2004
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	250/440
Number of Conductors x Cross-Section	INCH	1 x 7/0.029
Conductor Material & Shape		Copper & Stranded Class 2 Circular
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.889
Insulation Color		BLACK
Approximate Cable Overall Diameter	mm	3.978
Approximate Cable Weight	Kg/km	42.377

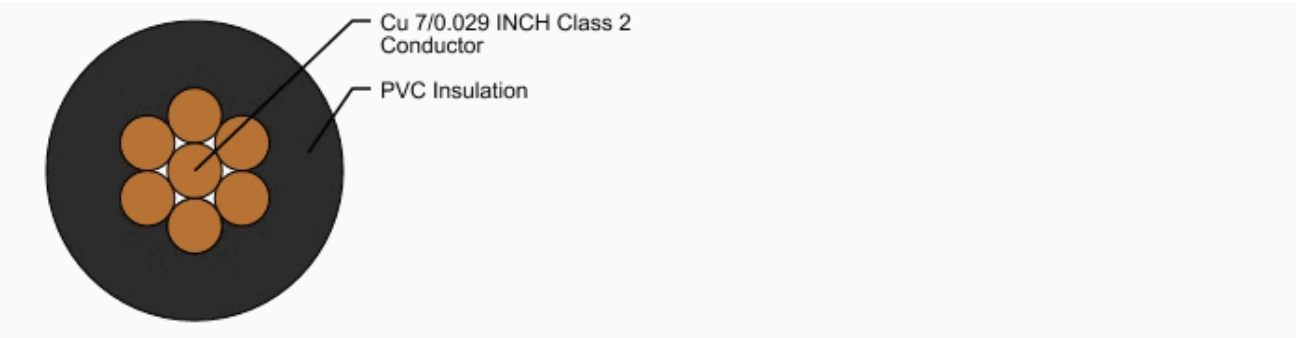
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	5.997
Min Insulation Resistance at 20°C	M ohm.km	16
High Voltage Test at 1.5kV for 5 min		No Breakdown Shall Occur
Current Carrying Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	20
Direct in Ground or Ducting in Ground @20 °C	Amp	
Minimum Bending Radius	mm	
The Cable shall meet all Test requirements		BS 2004

Cable Marking

1x7/0.029" CU/PVC ELECTRIC CABLE 250/440 V BS 2004 FAST CABLES LTD Y.O.M

Cable Drawing



1 X 7/0.029 INCH CIRCULAR CU PVC BLACK : 250/440 V BS2004 : INSULATION		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.20
Insulated	mm	3.978

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 3 X 2.5 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards		IEC 60228 BS 6004
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	300/500
Number of Conductors x Cross-Section	mm²	3 x 2.5
Conductor Material & Shape		Copper & Stranded Class 2 Circular Compacted
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue
Outer Sheath Material		PVC
Sheath Material Thickness	mm	1.20
Colour of Outer Sheath		Black
Approximate Cable Overall Diameter	mm	10.60
Approximate Cable Weight	Kg/km	181
Cable Length	Meter	1000 ±5%

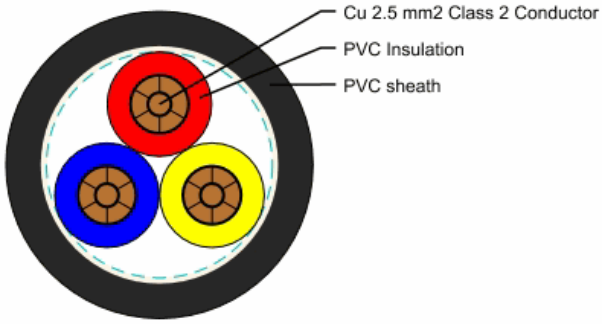
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.41
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	9
Max Conductor Short Circuit Current @ 1 Second	kA	0.288
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	25
Laid In Conduit or in Trunking @30 °C	Amp	20
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements		IEC 60228 BS 6004

Cable Marking

3x2.5mm² CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



3 X 2.5 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.01
Insulated	mm	3.61
Laid up Cores	mm	7.80
PVC-FR Outer Sheathing	mm	10.60

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 3 X 2.5 MM2 FLEXIBLE CU PVC PVC GREY : 300/500V BS6500 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards		IEC 60228, BS 6500 , BS EN 50525
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	300/500
Number of Conductors x Cross-Section	mm²	3 x 2.5
Conductor Material & Shape		Copper & Flexible Class 5
Wire Size	mm	0.26 (Max)
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue
Sheath Material		PVC
Sheath Nominal Thickness	mm	1.00
Colour of Sheath		Grey
Approximate Cable Overall Diameter	mm	9.20- 11.40
Cable Length	Meter	1000 ±5%

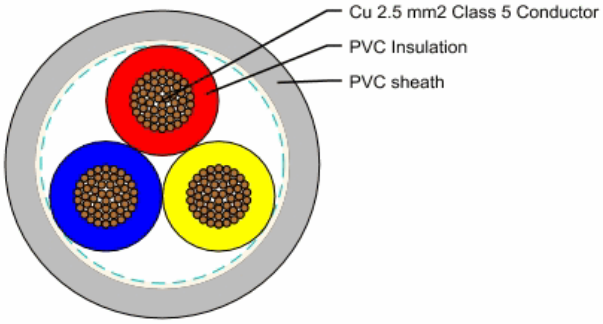
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.98
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 70 °C	M.Ω.Km	0.0095
Current Carry Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	24
The Cable shall meet all Test requirements		IEC 60228, BS 6500 , BS EN 50525

Cable Marking

3X2.5mm² FLEXIBLE CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6500 FAST CABLES LTD Y.O.M

Cable Drawing



3 X 2.5 MM2 FLEXIBLE CU PVC PVC GREY : 300/500V BS6500 : SHEATHING		Approx. Diameter
Flexible Copper Conductor with round shape	mm	2.17
Insulated	mm	3.77
Laid up cores	mm	8.14
Sheathing	mm	9.20- 11.40

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 4 X 2.5 MM2 FLEXIBLE CU PVC PVC GREY : 300/500V BS6500 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards		IEC 60228, BS 6500 , BS EN 50525
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	300/500
Number of Conductors x Cross-Section	mm²	4 x 2.5
Conductor Material & Shape		Copper & Flexible Class 5
Wire Size	mm	0.26 (Max)
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue, Black
Sheath Material		PVC
Sheath Nominal Thickness	mm	1.10
Colour of Sheath		Grey
Approximate Cable Overall Diameter	mm	10.10- 12.50
Cable Length	Meter	1000 ±5%

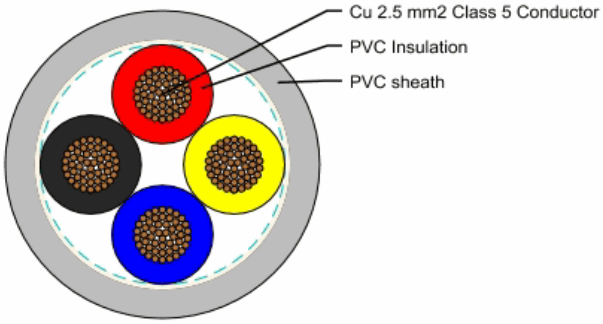
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.98
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 70 °C	M.Ω.Km	0.0095
Current Carry Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	24
The Cable shall meet all Test requirements		IEC 60228, BS 6500 , BS EN 50525

Cable Marking

4X2.5mm² FLEXIBLE CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6500 FAST CABLES LTD Y.O.M

Cable Drawing



4 X 2.5 MM2 FLEXIBLE CU PVC PVC GREY : 300/500V BS6500 : SHEATHING		Approx. Diameter
Flexible Copper Conductor with round shape	mm	2.17
Insulated	mm	3.77
Laid up cores	mm	9.12
Sheathing	mm	10.10- 12.50

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 4 X 4 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards		IEC 60228 BS 6004
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	300/500
Number of Conductors x Cross-Section	mm²	4 x 4
Conductor Material & Shape		Copper & Stranded Class 2 Circular Compacted
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue, Black
Outer Sheath Material		PVC
Sheath Material Thickness	mm	1.40
Colour of Outer Sheath		Black
Approximate Cable Overall Diameter	mm	13.24
Approximate Cable Weight	Kg/km	329
Cable Length	Meter	1000 ±5%

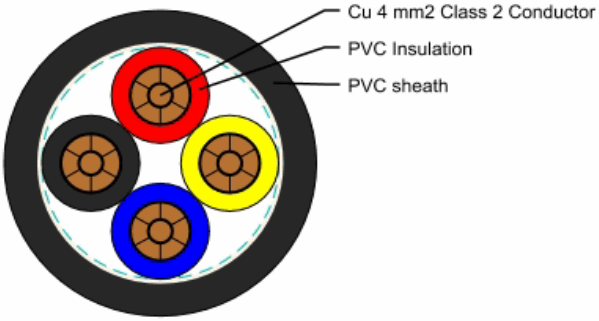
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	4.61
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	8
Max Conductor Short Circuit Current @ 1 Second	kA	0.460
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	34
Laid In Conduit or in Trunking @30 °C	Amp	27
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements		IEC 60228 BS 6004

Cable Marking

4x4mm² CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 4 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.55
Insulated	mm	4.15
Laid up Cores	mm	10.04
PVC-FR Outer Sheathing	mm	13.24

FAST CABLES LIMITED

Technical Data Sheet

Cable - General Wire

Cable Description: 4 X 6 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards		IEC 60228 BS 6004
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	300/500
Number of Conductors x Cross-Section	mm²	4 x 6
Conductor Material & Shape		Copper & Stranded Class 2 Circular Compacted
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue, Black
Outer Sheath Material		PVC
Sheath Material Thickness	mm	1.40
Colour of Outer Sheath		Black
Approximate Cable Overall Diameter	mm	14.62
Approximate Cable Weight	Kg/km	421
Cable Length	Meter	1000 ±5%

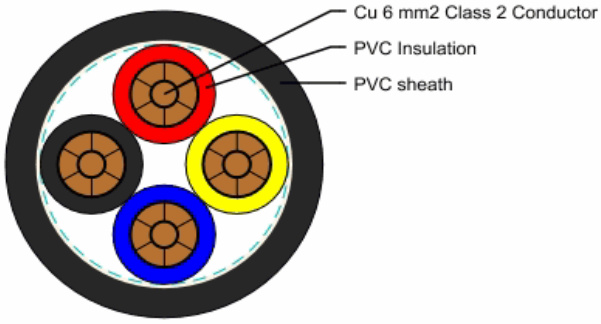
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	3.08
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	7
Max Conductor Short Circuit Current @ 1 Second	kA	0.690
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	43
Laid In Conduit or in Trunking @30 °C	Amp	34
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements		IEC 60228 BS 6004

Cable Marking

4x6mm² CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 6 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING		Approx. Diameter
Stranded Copper Conductor with round shape	mm	3.12
Insulated	mm	4.72
Laid up Cores	mm	11.42
PVC-FR Outer Sheathing	mm	14.62