

CASITEK BS5308 Type 1 PVC Insulated Unarmoured



Multicore Cable



Multicore Cross-Section



Multipair Cable



Multipair Cross-Section

APPLICATION

Instrumentation and control cable for industrial, petrochemical and process automation applications. Suitable for indoor and damp environments.

CONSTRUCTION

Conductor	Class 2/5 Oxygen Free Copper
Insulation	PVC
Cabling	Cores or Twisted Pairs
Screen	Al-PET tape with tinned copper drain wire (individual/overall)
Bedding	PVC
Armour	None
Oversheath	PVC

REFERENCE STANDARDS

PAS/BS5308 | BS EN 60228 | BS EN 50290 | IEC 60332-1 | RoHS

PERFORMANCE

Parameter	Value
Rated Voltage	300/500 V
Test Voltage	2000 V
Temperature	-15°C to +65°C
Flame Retardant	Pass – IEC 60332-1
Capacitance	≤250 pF/m
Shielding	High EMI Protection

PERFORMANCE TABLE

Parameter	Value	Standard
Rated Voltage	300/500V	BS5308
Test Voltage	2000V	IEC
Temperature	-15~65°C	IEC
Flame Retardant	Pass	IEC60332-1
Capacitance	≤250 pF/m	BS5308
Shielding	High EMI Protection	Internal

BS5308 Part 2 Type 1 Multicore (Collectively Screened Unarmoured)

Part No.	Cores	Size (mm ²)	Class	Insulation (mm)	Sheath (mm)	OD (mm)
070502055	2	0.5	5	0.6	0.8	6
070503055	3	0.5	5	0.6	0.8	6.3
070504055	4	0.5	5	0.6	0.8	6.9
070506055	6	0.5	5	0.6	0.8	8.1
070510055	10	0.5	5	0.6	0.9	10.4
070520055	20	0.5	5	0.6	1	13.5
070502755	2	0.75	5	0.6	0.8	6.4
070503755	3	0.75	5	0.6	0.8	6.8
070504755	4	0.75	5	0.6	0.8	7.4
070506755	6	0.75	5	0.6	0.9	8.9
070510755	10	0.75	5	0.6	1	11.5
070520755	20	0.75	5	0.6	1.1	14.8
070502152	2	1.5	2	0.6	0.8	7.3
070503152	3	1.5	2	0.6	0.8	7.7
070504152	4	1.5	2	0.6	0.9	8.7
070506152	6	1.5	2	0.6	0.9	10.3
070510152	10	1.5	2	0.6	1	13.3
070520152	20	1.5	2	0.6	1.2	17.4

IDENTIFICATION OF PAIRS

Pair No.	Colour A	Colour B
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Grey
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Grey

PERFORMANCE TABLE

Parameter	Value	Standard
Rated Voltage	300/500V	BS5308
Test Voltage	2000V	IEC
Temperature	-15~65°C	IEC
Flame Retardant	Pass	IEC60332-1
Capacitance	≤250 pF/m	BS5308
Shielding	High EMI Protection	Internal

BS5308 Part 2 Type 1 (Collectively Screened Unarmoured – PE/PVC outdoor grade)

Part No.	Pairs	Size (mm ²)	Class	Insulation (mm)	Sheath (mm)	OD (mm)
070101055	1	0.5	5	0.6	0.8	6
070102055	2	0.5	5	0.6	0.8	6.9
070105055	5	0.5	5	0.6	1	11.9
070110055	10	0.5	5	0.6	1.1	16.4

070115055	15	0.5	5	0.6	1.2	19
070120055	20	0.5	5	0.6	1.3	21.5
070101755	1	0.75	5	0.6	0.8	6.4
070102755	2	0.75	5	0.6	0.8	7.4
070105755	5	0.75	5	0.6	1	12.8
070110755	10	0.75	5	0.6	1.2	17.9
070115755	15	0.75	5	0.6	1.3	20.9
070120755	20	0.75	5	0.6	1.4	23.6
070101152	1	1.5	2	0.6	0.8	7.3
070102152	2	1.5	2	0.6	0.9	8.7
070105152	5	1.5	2	0.6	1.1	15.1
070110152	10	1.5	2	0.6	1.3	21.1
070115152	15	1.5	2	0.6	1.4	24.6
070120152	20	1.5	2	0.6	1.5	27.7

BS5308 Part 2 Type 1 (Individually & Collectively Screened Unarmoured)

Part No.	Pairs	Size (mm ²)	Class	Insulation (mm)	Sheath (mm)	OD (mm)
070202055	2	0.5	5	0.6	0.9	9.7
070205055	5	0.5	5	0.6	1	12.6
070210055	10	0.5	5	0.6	1.2	18
070215055	15	0.5	5	0.6	1.3	20.9
070220055	20	0.5	5	0.6	1.4	23.6
070202755	2	0.75	5	0.6	0.9	10.4
070205755	5	0.75	5	0.6	1	13.5
070210755	10	0.75	5	0.6	1.2	19.4
070215755	15	0.75	5	0.6	1.4	22.8
070220755	20	0.75	5	0.6	1.5	25.8
070202152	2	1.5	2	0.6	1	12.1
070205152	5	1.5	2	0.6	1.1	15.8
070210152	10	1.5	2	0.6	1.4	22.9
070215152	15	1.5	2	0.6	1.5	26.6
070220152	20	1.5	2	0.6	1.6	30.1