

BSC 143

Cable	Instrument Cable
Standard	BSC143
Voltage	500V
Description	Tinned Copper, Single & Multi Pair, PVC- Insulation, Collective, Armour, PVC Sheath
Cable type	BSC 143

Electrical data a 20°C

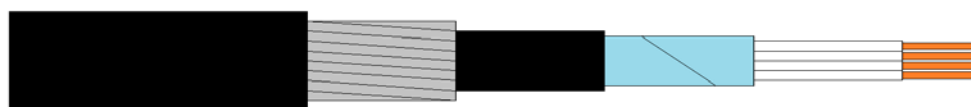
Conductor size	Nom	mm ²	0,75
Conductor resistance	Max	Ω/km	
flexible / Class 5			26,7
and additional 2% of the maximum resistance has been allowed for cable of multipair construction			
Insulation resistance	Min.	MΩxkm	
Individual conductor			5000
Individual screen			-
Mutual capacitance 1kHz	Max.	nF/km	
All cables			250
L/R Ratio	Max.	μH/Ω	25
Test voltage		V	
Ums core: core			1000
Ums core: screen			1000

Properties for cable

Code Colour	BSC 143 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kg/km	
1	0.75mm ² /24	0,6	0,8	6,50	0,9	1,3	10,90	250	B143B-1P075-61
2 (quad)	0.75mm ² /24	0,6	1,0	7,94	0,9	1,5	15,02	405	B143B-2P075-61
5	0.75mm ² /24	0,6	1,2	13,38	1,25	1,5	18,88	687	B143B-5P075-61
10	0.75mm ² /24	0,6	1,3	17,72	1,6	1,7	24,32	1113	B143B-10P075-61
20	0.75mm ² /24	0,6	1,5	23,46	1,6	1,8	30,26	1650	B143B-20P075-61
30	0.75mm ² /24	0,6	1,7	28,56	2	2,0	36,56	2425	B143B-30P075-61
50	0.75mm ² /24	0,6	2,0	36,32	2,5	2,2	45,72	3815	B143B-50P075-61

Code colour BSC 143 Table 1

1 Pair Cables to 50 Pair Cables	1	Black	Blue	26	White	Yellow
	2	Black	Orange	27	White	Violet
	3	Black	Green	28	Blue	Red
	4	Black	Brown	29	Blue	Yellow
	5	Black	Grey	30	Blue	Violet
	6	Blue	White	31	Green	Red
	7	Blue	Orange	32	Green	Yellow
	8	Blue	Green	33	Green	Violet
	9	Blue	Brown	34	Red	Grey
	10	Blue	Grey	35	Red	Orange
	11	Orange	White	36	Red	Yellow
	12	Orange	Green	37	Red	Brown
	13	Orange	Brown	38	Red	Violet
	14	Orange	Grey	39	Grey	Yellow
	15	Green	White	40	Grey	Violet
	16	Green	Brown	41	Orange	Yellow
	17	Green	Grey	42	Orange	Violet
	18	Brown	White	43	Yellow	Brown
	19	Brown	Grey	44	Yellow	Violet
	20	Grey	White	45	Brown	Violet
	21	Black	White	46	Violet	Black
	22	Black	Red	47	Violet	Blue
	23	Black	Yellow	48	Violet	Red
	24	Black	Violet	49	Violet	Orange
	25	White	Red	50	Violet	Yellow