



BSC 143 Cable

Application:	British Steel 143 instrumentation cable
Size and stranding:	0.75sqmm (24/.0mm)
Conductors:	0.75sqmm class 5 Flexible tinned annealed copper
Conductor diameter:	1.14mm
Insulation:	PVC (Polyvinyl-Chloride)
Insulation thickness:	0.6mm
Screen:	CAM (Collective aluminium mylar)
Diameter over core:	2.5mm
Bedding:	PVC (Polyvinyl-Chloride)
Armour/Protection:	SWA (Single wire armour)
Sheath/Jacket:	PVC (Polyvinyl-Chloride)
Colour:	Orange
Voltage:	300/500v
Operating temperature:	Max 70°C, minimum -20°C
Min bending radius:	6 x overall diameter
Standard:	British Steel TYPE 143



Conductor identification

Pair No	Core 1	Core 2	Pair No	Core 1	Core 2	Pair No	Core 1	Core 2
1	Black	Blue	18	Brown	White	35	Red	Orange
2	Black	Orange	19	Brown	Grey	36	Red	Yellow
3	Black	Green	20	Grey	White	37	Red	Brown
4	Black	Brown	21	Black	White	38	Red	Violet
5	Black	Grey	22	Black	Red	39	Grey	Yellow
6	Blue	White	23	Black	Yellow	40	Grey	Violet
7	Blue	Orange	24	Black	Violet	41	Orange	Yellow
8	Blue	Green	25	White	Red	42	Orange	Violet
9	Blue	Brown	26	White	Yellow	43	Yellow	Brown
10	Blue	Grey	27	White	Violet	44	Yellow	Violet
11	Orange	White	28	Blue	Red	45	Brown	Violet
12	Orange	Green	29	Blue	Yellow	46	Turquoise	Black
13	Orange	Brown	30	Blue	Violet	47	Turquoise	Blue
14	Orange	Grey	31	Green	Red	48	Turquoise	Red
15	Green	White	32	Green	Yellow	49	Turquoise	Orange
16	Green	Brown	33	Green	Violet	50	Turquoise	Yellow
17	Green	Grey	34	Red	Grey			

No of pairs	Dia over pairs mm	Dia over screen mm	RT of bedding mm	Dia over bedding mm	Dia of armour wire mm	Dia over armour mm	RT of outer sheath mm	Nominal overall dia mm	Weight kg/km	BATT Part No	Gland size
2	7.3	7.8	1.1	10	1.25	12.5	1.5	15.5	456	85410	20S
5	11.4	11.9	1.2	14.3	1.25	16.8	1.5	19.8	714	85141	20
10	15.6	16.1	1.3	18.7	1.6	21.9	1.7	25.3	1241	85142	25
20	21.0	21.5	1.5	24.5	1.6	27.7	1.8	31.3	1300	85143	32
30	25.6	26.1	1.7	29.5	2.0	33.5	2.0	37.5	2551	85144	32
50	32.9	33.4	2.0	37.4	2.0	41.4	2.2	45.8	3835	85145	50S