

## Multipair Instrumentation Cables - BS5308

**BS 5308 Part 1/Type 2 (Polyethylene insulated) - ARMOURED**

### SPECIFICATION

Plain annealed copper conductors, solid polyethylene insulated, (PE). Ind. Aluminium-Mylar pair screened including drain wire, collective Aluminium-Mylar screened including drain wire, PVC steel wire armour PVC.

**Pairs** : Two insulated conductors uniformly twisted together forming a pair. Lay length, should not exceed 100mm and layed in a manner that the two wires forming the pair cannot be dissociated by normal handling. Two pair cables without individual pair screens shall be laid up in a quad formation.

**Screens** : Individually and collectively screened by a laminated, bonded aluminium/PETP tape overlapped. Metallic side of the screens are in contact with a tinned annealed copper wire 'drain wire' running throughout the cable length.

**Colour Of Sheath** : Blue and Black.

**Operating Temperature** : 0 C - 70 C.

**Minimum Bending Radius** : 6 x Overall Diameter.  
300/500 Volt grade.

Pair	Overall Diameter mm	Weight kg/km	Gland Size
<b>0.5mm sq. (16/0.20)</b>			
1	11.7	220	20ss
2	16.7	450	20
5	20.9	750	25
10	27.9	1280	32
20	34.3	1810	40
30	40.5	2610	50
50	51.5	4180	50
<b>0.75mm sq. (24/0.20)</b>			
1	11.7	220	20ss
2	17.5	480	20
5	21.9	790	25
10	29.4	1450	32
20	37.8	2320	40
30	44.5	3400	50
50	56.0	4650	63
<b>1.5mm sq. (7/0.50)</b>			
1	12.8	270	20ss
2	18.8	650	20
5	23.3	950	25
10	32.0	1610	32
20	39.0	2700	40
30	45.0	3510	50
50	62.6	5010	63

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