

INSTRUMENTATION CABLES (MULTI-CORE ARMoured)

CONSTRUCTION

CONDUCTOR	: Stranded circular plain annealed copper wire, Class 2
INSULATION	: PVC or PE or XLPE
COLOUR OF CORES	: 3 cores (1 Triad) - Red, Black & White 4 cores & above - Black with numbering
DRAIN WIRE	: Stranded circular tinned copper wire
COLLECTIVE SCREEN	: Aluminium/polyester tape
BEDDING	: PVC compound Type TM 1, Black colour
ARMOUR	: Round galvanized steel wire
SHEATH	: PVC compound Type TM 1, Black colour



Cu / PVC / OSCR / SWA / PVC or
Cu / PE / OSCR / SWA / PVC or
Cu / XLPE / OSCR / SWA / PVC - Multi-core

Number of cores	Nominal cross-sectional area sq.mm	Construction, number / wire diameter No./mm	Thickness of Insulation mm	Thickness of bedding mm	Diameter of steel wire mm	Thickness of sheath mm	Approx. overall diameter mm	Approx. net weight kg/km
BS EN 50288-7 / BS 5308 300 / 500 V								
3	1.0	7/0.43	0.6	1.0	0.9	1.4	12.6	321
4	1.0	7/0.43	0.6	1.0	0.9	1.4	13.3	356
6	1.0	7/0.43	0.6	1.0	0.9	1.4	14.8	433
8	1.0	7/0.43	0.6	1.0	0.9	1.4	15.6	486
10	1.0	7/0.43	0.6	1.0	1.25	1.5	18.3	684
20	1.0	7/0.43	0.6	1.0	1.6	1.6	22.6	1100
30	1.0	7/0.43	0.6	1.0	1.6	1.7	25.5	1383
40	1.0	7/0.43	0.6	1.0	1.6	1.7	27.9	1640
3	1.5	7/0.53	0.6	1.0	0.9	1.4	13.3	356
4	1.5	7/0.53	0.6	1.0	0.9	1.4	14.1	398
6	1.5	7/0.53	0.6	1.0	0.9	1.4	15.7	491
8	1.5	7/0.53	0.6	1.0	0.9	1.5	16.8	564
10	1.5	7/0.53	0.6	1.0	0.9	1.5	18.8	665
20	1.5	7/0.53	0.6	1.0	1.25	1.6	23.5	1127
30	1.5	7/0.53	0.6	1.0	1.25	1.7	26.8	1454
40	1.5	7/0.53	0.6	1.0	1.25	1.8	29.7	1771
3	2.5	7/0.67	0.6	1.0	0.9	1.4	14.3	411
4	2.5	7/0.67	0.6	1.0	0.9	1.4	15.1	465
6	2.5	7/0.67	0.6	1.0	0.9	1.5	17.2	592
8	2.5	7/0.67	0.6	1.0	0.9	1.5	18.2	679
10	2.5	7/0.67	0.6	1.0	0.9	1.6	20.7	817
20	2.5	7/0.67	0.6	1.0	1.25	1.7	26.0	1405
30	2.5	7/0.67	0.6	1.0	1.25	1.8	29.8	1843
40	2.5	7/0.67	0.6	1.0	1.25	1.9	33.1	2267

INSTRUMENTATION CABLES (MULTI-PAIR ARMoured)

CONSTRUCTION

CONDUCTOR	: Stranded circular plain annealed copper wire, Class 2
INSULATION	: PVC or PE or XLPE
COLOUR OF CORES	: 1 pair - Black & White 2 pair & above - Black/White with numbering
DRAIN WIRE	: Stranded circular tinned copper wire
COLLECTIVE SCREEN	: Aluminium/polyester tape
BEDDING	: PVC compound Type TM 1, Black colour
ARMOUR	: Round galvanized steel wire
SHEATH	: PVC compound Type TM 1, Black colour



Cu / PVC / OSCR / SWA / PVC or
Cu / PE / OSCR / SWA / PVC or
Cu / XLPE / OSCR / SWA / PVC - Multi-pair

Number of pairs	Nominal cross-sectional area sq.mm	Construction, number / wire diameter No./mm	Thickness of Insulation mm	Thickness of bedding mm	Diameter of steel wire mm	Thickness of sheath mm	Approx. overall diameter mm	Approx. net weight kg/km
BS EN 50288-7 / BS 5308 300 / 500 V								
1	1.0	7/0.43	0.6	1.0	0.9	1.3	12.0	295
2	1.0	7/0.43	0.6	1.0	0.9	1.4	15.5	436
3	1.0	7/0.43	0.6	1.0	0.9	1.4	16.2	483
4	1.0	7/0.43	0.6	1.0	0.9	1.5	17.5	558
5	1.0	7/0.43	0.6	1.0	0.9	1.5	18.6	615
6	1.0	7/0.43	0.6	1.0	0.9	1.5	19.9	692
7	1.0	7/0.43	0.6	1.0	0.9	1.5	19.9	708
8	1.0	7/0.43	0.6	1.0	1.25	1.6	22.7	955
10	1.0	7/0.43	0.6	1.0	1.25	1.7	25.2	1112
1	1.5	7/0.53	0.6	1.0	0.9	1.4	12.8	330
2	1.5	7/0.53	0.6	1.0	0.9	1.5	16.7	495
3	1.5	7/0.53	0.6	1.0	0.9	1.5	17.5	555
4	1.5	7/0.53	0.6	1.0	0.9	1.5	18.7	635
5	1.5	7/0.53	0.6	1.0	0.9	1.5	20.0	707
6	1.5	7/0.53	0.6	1.0	1.25	1.6	22.3	941
7	1.5	7/0.53	0.6	1.0	1.25	1.6	22.3	968
8	1.5	7/0.53	0.6	1.0	1.25	1.7	24.7	1114
10	1.5	7/0.53	0.6	1.0	1.25	1.7	27.3	1290
1	2.5	7/0.67	0.6	1.0	0.9	1.4	13.7	373
2	2.5	7/0.67	0.6	1.0	0.9	1.5	18.2	574
3	2.5	7/0.67	0.6	1.0	0.9	1.5	19.0	656
4	2.5	7/0.67	0.6	1.0	0.9	1.6	20.6	770
5	2.5	7/0.67	0.6	1.0	1.25	1.6	22.9	1003
6	2.5	7/0.67	0.6	1.0	1.25	1.7	24.7	1143
7	2.5	7/0.67	0.6	1.0	1.25	1.7	24.7	1188
8	2.5	7/0.67	0.6	1.0	1.25	1.7	27.1	1352
10	2.5	7/0.67	0.6	1.0	1.25	1.8	30.3	1595