INSTRUMENTATION CABLES
(MULTI-PAIR NON-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 cirular tinned copper wire
COLLECTIVE SCREEN : Aluminium/polyester tape
SHEATH : PVC compound Type TM 1, Black colour

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

Number of pairs	Nominal cross-sectional area	Construction, number / wire diameter	Thickness of insulation	Thickness of sheath	Approx. overall diameter	Approx. net weight
	sq.mm	No./mm	mm	mm	mm	kg/km
		BS EN 50288-7 / BS 5308 300 / 500 V				
1	1.0	7/0.43	0.6	0.8	7.2	70
2	1.0	7/0.43	0.6	0.9	10.7	127
3	1.0	7/0.43	0.6	0.9	11.4	158
4	1.0	7/0.43	0.6	1.0	12.7	203
5	1.0	7/0.43	0.6	1.0	13.8	231
6	1.0	7/0.43	0.6	1.0	15.1	277
7	1.0	7/0.43	0.6	1.0	15.1	293
8	1.0	7/0.43	0.6	1.1	17.2	356
10	1.0	7/0.43	0.6	1.1	19.5	427
1	1.5	7/0.53	0.6	0.9	8.0	87
2	1.5	7/0.53	0.6	1.0	11.9	159
3	1.5	7/0.53	0.6	1.0	12.7	200
4	1.5	7/0.53	0.6	1.0	13.9	250
5	1.5	7/0.53	0.6	1.0	15.2	289
6	1.5	7/0.53	0.6	1.1	16.8	354
7	1.5	7/0.53	0.6	1.1	16.8	381
8	1.5	7/0.53	0.6	1.1	19.0	447
10	1.5	7/0.53	0.6	1.2	21.8	551
1	2.5	7/0.67	0.6	0.9	8.9	109
2	2.5	7/0.67	0.6	1.0	13.4	203
3	2.5	7/0.67	0.6	1.0	14.2	263
4	2.5	7/0.67	0.6	1.0	15.6	332
5	2.5	7/0.67	0.6	1.1	17.4	399
6	2.5	7/0.67	0.6	1.1	19.0	475
7	2.5	7/0.67	0.6	1.1	19.0	520
8	2.5	7/0.67	0.6	1.2	21.6	619
10	2.5	7/0.67	0.6	1.3	24.8	764

INSTRUMENTATION CABLES
(MULTI-CORE NON-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 White numbering
DRAIN WIRE	: Stranded circular tinned copper wire
COLLECTIVE SCREEN	: Aluminium/polyester tape
SHEATH	: PVC compound Type TM 1, Black colour

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

Number of cores	Nominal cross-sectional area	Construction, number / wire diameter	Thickness of insulation	Thickness of sheath	Approx. overall diameter	Approx. net weight
	sq.mm	No./mm	mm	mm	mm	kg/km
		BS EN 50288-7 / BS 5308 300 / 500 V				
3	1.0	7/0.43	0.6	0.9	7.8	84
4	1.0	7/0.43	0.6	0.9	8.5	102
6	1.0	7/0.43	0.6	1.0	10.2	148
8	1.0	7/0.43	0.6	1.0	11.0	182
10	1.0	7/0.43	0.6	1.1	13.0	228
20	1.0	7/0.43	0.6	1.2	16.6	402
30	1.0	7/0.43	0.6	1.3	19.5	578
40	1.0	7/0.43	0.6	1.4	22.1	758
3	1.5	7/0.53	0.6	0.9	8.5	102
4	1.5	7/0.53	0.6	1.0	9.5	130
6	1.5	7/0.53	0.6	1.0	11.1	183
8	1.5	7/0.53	0.6	1.1	12.2	233
10	1.5	7/0.53	0.6	1.1	14.2	285
20	1.5	7/0.53	0.6	1.3	18.4	521
30	1.5	7/0.53	0.6	1.4	21.7	752
40	1.5	7/0.53	0.6	1.5	24.6	985
3	2.5	7/0.67	0.6	1.0	9.7	138
4	2.5	7/0.67	0.6	1.0	10.5	172
6	2.5	7/0.67	0.6	1.1	12.6	250
8	2.5	7/0.67	0.6	1.1	13.6	313
10	2.5	7/0.67	0.6	1.2	16.1	393
20	2.5	7/0.67	0.6	1.4	20.9	727
30	2.5	7/0.67	0.6	1.5	24.7	1053
40	2.5	7/0.67	0.6	1.6	28.0	1382