MDF TERMINATING CABLES, S-Y(St)Y

Application :

For connecting between and main distribution frames in telecommunication exchanges for telephone, measuring and signaling purposes.

Construction :

Conductor: Solid plain or tinned annealed copper
Insulation: PVC compound, type YI3 as per DIN VDE 0207
Core wrap: Heat barrier polyester tape between core and screen
Drain wire : Solid tinned copper
Screen : Aluminum-polyester (AL foil) tape in continuous contact with drain wire
Jacket : PVC compound, type YM1 as per DIN VDE 0207, grey

Standard :

TCI

Electrical data:

Conductor diameter (mm)	Max. conductor resistance at 20°C (Ω/km)	Min. insulation resistance at 20°C (MΩ.km)	Max. mutual capacitance at 800~1000Hz (nF/km)	Max. capacitance unbalance at 1000±200Hz (pF/500m)	Operating voltage, RMS (V)	Test voltage, DC (kV)
0.5	90.2	500	110	300	200	0.7 (for 1 min.) core to core 2 (for 1 min.) core to shield

Dimensional data :

No. of pairs / diameter of conductor (- / mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Approx. net weight (kg/km)
10 x 2 x 0.5	1	8.5	95
20 x 2 x 0.5	1	11.5	160
30 x 2 x 0.5	1.2	13.5	225
32 x 2 x 0.5	1.2	14	235
33 x 2 x 0.5	1.2	14	240
40 x 2 x 0.5	1.2	15	285
50 x 2 x 0.5	1.2	17	345
70 x 2 x 0.5	1.4	19.5	460
100 x 2 x 0.5	1.4	23	630
200 x 2 x 0.5	1.8	32	1195

S : Switch board cable
Y: PVC insulation or sheath
(St) : Static screen

PVC INSTALLATION CABLES (SCREENED), J-Y(St)Y

Application :

For transmitting analog or digital signals in communication systems.

Construction :

Conductor: Solid plain annealed copper
Insulation: PVC compound, type YI3 as per DIN VDE 0207
Core wrap: Heat barrier polyester tape between core and screen
Drain wire : Solid tinned copper
Screen : Aluminum-polyester (AL foil) tape in continuous contact with drain wire
Jacket : PVC compound, type YM1 as per DIN VDE 0207, grey

Standard :

TCI, VDE 0815

Electrical data:

Conductor diameter (mm)	Max. conductor resistance at 20°C (Ω/km)	Min. insulation resistance at 20°C (MΩ.km)	Max. mutual capacitance at 800Hz (nF/km)	Max. capacitance unbalance at 800Hz (pF/100m)	Operating voltage, RMS (V)	Test voltage, DC (kV)
0.4	147	500	100	300	200	0.7 (for 1 min.) core to core 2 (for 1 min.) core to shield
0.6	65		100			
0.8	36		100			

Dimensional data :

No. of pairs / diameter of conductor (- / mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Approx. net weight (kg/km)
2 x 2 x 0.4	1	5.2	30
4 x 2 x 0.4	1	5.7	40
6 x 2 x 0.4	1	6.5	50
10 x 2 x 0.4	1	7.5	70
20 x 2 x 0.4	1	9.2	115
30 x 2 x 0.4	1	11	156
40 x 2 x 0.4	1.2	12.6	208
50 x 2 x 0.4	1.2	14	250
70 x 2 x 0.4	1.2	16	330
100 x 2 x 0.4	1.4	19	465
200 x 2 x 0.4	1.6	25.5	870

No. of pairs / diameter of conductor (-xmm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Approx. net weight (kg/km)
2 x 2 x 0.6	1	6.2	45
4 x 2 x 0.6	1	7	60
6 x 2 x 0.6	1	8.2	85
10 x 2 x 0.6	1	9.5	120
20 x 2 x 0.6	1.2	12.5	210
30 x 2 x 0.6	1.2	14.5	295
40 x 2 x 0.6	1.2	16.7	375
50 x 2 x 0.6	1.4	18.5	470
70 x 2 x 0.6	1.4	21	630
100 x 2 x 0.6	1.6	25	890
200 x 2 x 0.6	1.8	32	1670

J : Installation cable
Y: PVC insulation or sheath
(St) : Static screen

No. of pairs / diameter of conductor (-xmm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Approx. net weight (kg/km)
2 x 2 x 0.8	1	7.7	65
4 x 2 x 0.8	1	9.5	100
6 x 2 x 0.8	1	10.5	135
10 x 2 x 0.8	1.2	13	210
20 x 2 x 0.8	1.2	16.5	375
30 x 2 x 0.8	1.4	20.5	555
40 x 2 x 0.8	1.6	23.5	735
50 x 2 x 0.8	1.6	26	890
70 x 2 x 0.8	1.8	30	1230
100 x 2 x 0.8	2	36	1730
200 x 2 x 0.8	2	48.5	3250