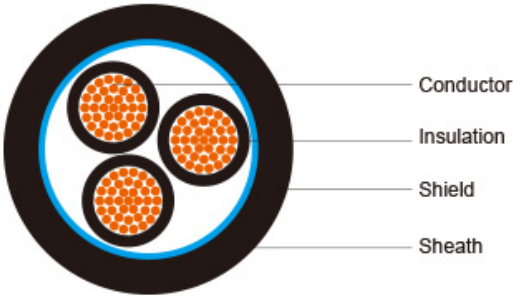
VDE Standard Control Cable YY PVC/ PVC Number Coded



Application:	Designed to offer a flexible solution for signalling, measuring and control applications.This range of cables are not only flexible but offer heat and oil protection.
Standards:	Generally to BS6500 and VDE0250
Conductor:	Flexible class 5 copper conductors to BS6360 / VDE0295
Insulation:	PVC
Sheath:	PVC
Voltage Rating:	300/500V
Shield:	Overall Al/Polyester foil shield
Temperature rating:	Flexing -15 to +70°C Static -35 to +70°C
Sheath Material:	PVC/LSZH/PE
Minimum bending radius:	6 x overall diameter
Core identification:	Black with White numbers. (3 core and above to include Green/Yellow) Coloured cores available on request

Current Carrying Capacity (amperes)

Nominal Cross Sectional Area	Single Phase AC or DC	Three Phase AC
mm2	Amps	Amps
0.75	6	6
1.0	10	10
1.5	16	16
2.5	25	20
4.0	32	25
6.0	51	43
10.0	70	60
16.0	94	80

For ambient air temperatures other than 30°C the following rating factors should be applied:

Ratings for cables up to and including 4mm2 are based on 60°C conductor operating temperature with 6mm2

and above based on 70°C operating temperature

Correction Factors

Cables Up To and Including 4mm2 , Assuming 60°C Conductor Temperature

Ambient Temperature	35°C	40°C	45°C	50°C	55°C
Correction Factor	0.91	0.82	0.71	0.58	0.41

Cables 6mm2 and above, Assuming 70°C Conductor Temperature

Ambient Temperature	35°C	40°C	45°C	50°C	55°C	60°C
Correction Factor	0.91	0.82	0.71	0.58	0.41	0.50

3 core YY control cable

Part NO.	Number of Cores	Nominal Cross Sectional Area mm2	No. and Nominal Diameter of Strands #/mm	Nominal Overall Diameter mm	Nominal Weight kg/km
UE-CT-YY-3C0.75SQ	3	0.75	24/0.20	5.9	55
UE-CT-YY-3C1.00SQ	3	1.0	32/0.20	6.4	67
UE-CT-YY-3C1.50SQ	3	1.5	30/0.25	7.4	92
UE-CT-YY-3C2.50SQ	3	2.5	50/0.25	9.5	153
UE-CT-YY-3C4.00SQ	3	4.0	56/0.30	12.0	235
UE-CT-YY-3C6.00SQ	3	6.0	84/0.30	12.8	305
UE-CT-YY-3C10.0SQ	3	10.0	80/0.40	15.8	590
UE-CT-YY-3C16.0SQ	3	16.0	126/0.40	18.4	800

4 core YY control cable

Part NO.	Number of Cores	Nominal Cross Sectional Area mm2	No. and Nominal Diameter of Strands #/mm	Nominal Overall Diameter mm	Nominal Weight kg/km
UE-CT-YY-4C0.75SQ	4	0.75	24/0.20	6.8	76
UE-CT-YY-4C1.00SQ	4	1.0	32/0.20	7.4	89
UE-CT-YY-4C1.50SQ	4	1.5	30/0.25	8.5	122

UE-CT-YY-4C2.50SQ	4	2.5	50/0.25	10.4	191
UE-CT-YY-4C4.00SQ	4	4.0	56/0.30	13.5	330
UE-CT-YY-4C6.00SQ	4	6.0	84/0.30	16.0	480
UE-CT-YY-4C10.0SQ	4	10.0	80/0.40	20.8	743
UE-CT-YY-4C16.0SQ	4	16.0	126/0.40	24.1	1104

5 core YY control cable

Part NO.	Number of Cores	Nominal Cross Sectional Area mm2	No. and Nominal Diameter of Strands #/mm	Nominal Overall Diameter mm	Nominal Weight kg/km
UE-CT-YY-5C0.75SQ	5	0.75	24/0.20	7.4	88
UE-CT-YY-5C1.00SQ	5	1.0	32/0.20	8.1	108
UE-CT-YY-5C1.50SQ	5	1.5	30/0.25	9.3	148
UE-CT-YY-5C2.50SQ	5	2.5	50/0.25	11.7	241
UE-CT-YY-5C4.00SQ	5	4.0	56/0.30	14.7	404
UE-CT-YY-5C6.00SQ	5	6.0	84/0.30	17.2	592
UE-CT-YY-5C10.0SQ	5	10.0	80/0.40	22.9	920
UE-CT-YY-5C16.0SQ	5	16.0	126/0.40	28.4	1370

7 core YY control cable

Part NO.	Number of Cores	Nominal Cross Sectional Area mm2	No. and Nominal Diameter of Strands #/mm	Nominal Overall Diameter mm	Nominal Weight kg/km
UE-CT-YY-7C0.75SQ	7	0.75	24/0.20	8.0	113
UE-CT-YY-7C1.00SQ	7	1.0	32/0.20	8.8	140
UE-CT-YY-7C1.50SQ	7	1.5	30/0.25	10.1	193

UE-CT-YY-7C2.50SQ	7	2.5	50/0.25	12.9	311