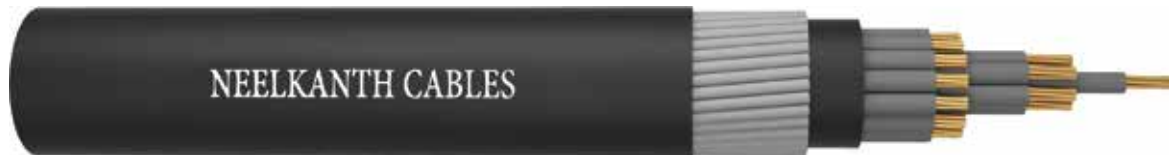


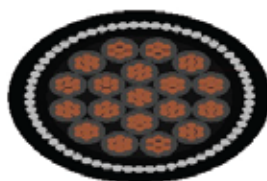
COPPER CONDUCTOR, XLPE INSULATED, ARMoured, LSZH SHEATHED, 600/1000V, **LOW VOLTAGE CONTROL CABLE, IEC 60502-1**



| | |
|-------------------------------|---|
| Application | : These auxiliary control cables are used for electricity supply in low voltage installation system. They are well adapted to underground, outdoors, use in industrial applications where mechanical protections are needed. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment. |
| Standards | : IEC 60502-1 |
| CONSTRUCTION | |
| Conductor | : Stranded annealed plain copper class 2 to IEC 60228 |
| Insulation | : Cross linked polyethylene (XLPE) to IEC 60502-1 |
| Insulation Colour | : 6C & above : Black core with number printed |
| Filler (Optional) | : Non Hygroscopic Filler |
| Binder Tape (Optional) | : Polyester (Mylar)Tape |
| Inner Sheath | : Extruded Low Smoke Zero Halogen (LSZH) in Black colour. |
| Armour | : A single layer of galvanized steel wire armour |
| Outer Sheath | : Extruded Low Smoke Zero Halogen (LSZH) type ST-8 to IEC 60502-1 in Black colour. (Other sheath colour also available on request) |

Technical Characteristic

| | |
|--|----------------------------------|
| Voltage Grade | : 600/1000V |
| Conductor Operating Temperature | : -15°C to +90°C |
| Flame Retardant | : IEC 60332-1-2 & IEC 60332-3-24 |
| Halogen Acid Gas Emission | : Max. 0.5% (IEC 60754-1) |
| Bending Radius | : 10 x Overall Diameter |



STRANDED COPPER CONDUCTOR
XLPE INSULATION
PVC INNER SHEATH
STEEL WIRE ARMoured
PVC OUTER SHEATH

Control Cables – 600/1000 V, CU Conductor, XLPE Insulation, Steel Wire Armoured, LSZH Sheathed

| Catalogue Number | Number of Core and Nominal Cross Section Area | Nominal Insulation Thickness | Thickness of Inner Sheath | Nominal Steel Wire Armour Dia. | Nominal Sheath Thickness | Approx Overall Dia | Weight of Finished Cable Approx | Maximum DC Resistance at 20°C |
|---------------------|---|------------------------------|---------------------------|--------------------------------|--------------------------|--------------------|---------------------------------|-------------------------------|
| | SQ.MM | MM | MM | MM | MM | MM | Kg/Km | Ohm/Km |
| NCNC2XWH6C0015ST10 | 6 x 1.5 | 0.7 | 1.0 | 0.9 | 1.8 | 17.0 | 510 | 12.1 |
| NCNC2XWH7C0015ST10 | 7 x 1.5 | 0.7 | 1.0 | 0.9 | 1.8 | 17.0 | 530 | 12.1 |
| NCNC2XWH10C0015ST10 | 10 x 1.5 | 0.7 | 1.0 | 1.25 | 1.8 | 20.8 | 790 | 12.1 |
| NCNC2XWH12C0015ST10 | 12 x 1.5 | 0.7 | 1.0 | 1.25 | 1.8 | 21.3 | 860 | 12.1 |
| NCNC2XWH14C0015ST10 | 14 x 1.5 | 0.7 | 1.0 | 1.25 | 1.8 | 22.1 | 915 | 12.1 |
| NCNC2XWH16C0015ST10 | 16 x 1.5 | 0.7 | 1.0 | 1.25 | 1.8 | 23.0 | 995 | 12.1 |
| NCNC2XWH19C0015ST10 | 19 x 1.5 | 0.7 | 1.0 | 1.25 | 1.8 | 23.9 | 1085 | 12.1 |
| NCNC2XWH24C0015ST10 | 24 x 1.5 | 0.7 | 1.0 | 1.6 | 1.8 | 27.7 | 1450 | 12.1 |
| NCNC2XWH27C0015ST10 | 27 x 1.5 | 0.7 | 1.0 | 1.6 | 1.8 | 27.7 | 1510 | 12.1 |
| NCNC2XWH30C0015ST10 | 30 x 1.5 | 0.7 | 1.0 | 1.6 | 1.8 | 29.0 | 1625 | 12.1 |
| NCNC2XWH37C0015ST10 | 37 x 1.5 | 0.7 | 1.0 | 1.6 | 1.8 | 30.8 | 1845 | 12.1 |
| NCNC2XWH40C0015ST10 | 40 x 1.5 | 0.7 | 1.0 | 1.6 | 1.9 | 32.0 | 1980 | 12.1 |
| NCNC2XWH50C0015ST10 | 50 x 1.5 | 0.7 | 1.0 | 1.6 | 2.0 | 35.3 | 2305 | 12.1 |
| NCNC2XWH61C0015ST10 | 61 x 1.5 | 0.7 | 1.2 | 2.0 | 2.1 | 38.8 | 2930 | 12.1 |
| NCNC2XWH6C0025ST10 | 6 x 2.5 | 0.7 | 1.0 | 1.25 | 1.8 | 19.0 | 705 | 7.41 |
| NCNC2XWH7C0025ST10 | 7 x 2.5 | 0.7 | 1.0 | 1.25 | 1.8 | 19.0 | 730 | 7.41 |
| NCNC2XWH10C0025ST10 | 10 x 2.5 | 0.7 | 1.0 | 1.25 | 1.8 | 22.5 | 950 | 7.41 |
| NCNC2XWH12C0025ST10 | 12 x 2.5 | 0.7 | 1.0 | 1.25 | 1.8 | 23.0 | 1035 | 7.41 |
| NCNC2XWH14C0025ST10 | 14 x 2.5 | 0.7 | 1.0 | 1.25 | 1.8 | 23.9 | 1115 | 7.41 |
| NCNC2XWH16C0025ST10 | 16 x 2.5 | 0.7 | 1.0 | 1.6 | 1.8 | 25.6 | 1345 | 7.41 |
| NCNC2XWH19C0025ST10 | 19 x 2.5 | 0.7 | 1.0 | 1.6 | 1.8 | 26.7 | 1485 | 7.41 |
| NCNC2XWH24C0025ST10 | 24 x 2.5 | 0.7 | 1.0 | 1.6 | 1.8 | 30.2 | 1780 | 7.41 |
| NCNC2XWH27C0025ST10 | 27 x 2.5 | 0.7 | 1.0 | 1.6 | 1.8 | 30.2 | 1805 | 7.41 |
| NCNC2XWH30C0025ST10 | 30 x 2.5 | 0.7 | 1.0 | 1.6 | 1.9 | 31.8 | 2040 | 7.41 |
| NCNC2XWH37C0025ST10 | 37 x 2.5 | 0.7 | 1.0 | 1.6 | 1.9 | 33.9 | 2325 | 7.41 |
| NCNC2XWH40C0025ST10 | 40 x 2.5 | 0.7 | 1.0 | 1.6 | 2.0 | 35.3 | 2480 | 7.41 |
| NCNC2XWH50C0025ST10 | 50 x 2.5 | 0.7 | 1.2 | 2.0 | 2.1 | 40.3 | 3250 | 7.41 |
| NCNC2XWH61C0025ST10 | 61 x 2.5 | 0.7 | 1.2 | 2.0 | 2.2 | 42.7 | 3720 | 7.41 |

Notes: Control cable with 2-5 cores will be made in accordance with power cable dimensions.
 The above data is indicative & may be changed without prior information.
 Cables can be supplied in multiples of 1000/500/250 mtrs.or required by customer.