

UVG CABLE SELECTION GUIDE

| CABLE DESCRIPTION | ESKOM CODES (DRAWING 0.00/2713) | SHEATHS | CABLE SIZE |
|---|------------------------------------|-------------------|---------------|
| UVG_ _AC_ (0.5mm ² Pairs, OAA/MYLAR (Unarmoured)) | UVG_ _ACM | LHPVC (BE Stripe) | 1 to 48 Pairs |
| | UVG_ _ACT | FRPVC (RD Stripe) | |
| | UVG_ _ACZ | LSZH (WE Stripe) | |
| UVG_ _BC_ (0.75mm ² Pairs, OAA/MYLAR (Unarmoured)) | UVG_ _BCM | LHPVC (BE Stripe) | 1 to 48 Pairs |
| | UVG_ _BCT | FRPVC (RD Stripe) | |
| UVG_ _CC_ (1.5mm ² Pairs, OAA/MYLAR (Unarmoured)) | UVG_ _CCM | LHPVC (BE Stripe) | 1 to 48 Pairs |
| | UVG_ _CCT | FRPVC (RD Stripe) | |
| UVH_ _AC_ (0.5mm ² Pairs, IND/OAA/MYLAR (Unarmoured)) | UVH_ _ACM | LHPVC (BE Stripe) | 2 to 48 Pairs |
| | UVH_ _ACT | FRPVC (RD Stripe) | |
| UVH_ _BC_ (0.75mm ² Pairs, IND/OAA/MYLAR (Unarmoured)) | UVH_ _BCM | LHPVC (BE Stripe) | 2 to 48 Pairs |
| | UVH_ _BCT | FRPVC (RD Stripe) | |
| UVH_ _CC_ (1.5mm ² Pairs, IND/OAA/MYLAR (Unarmoured)) | UVH_ _CCM | LHPVC (BE Stripe) | 2 to 48 Pairs |
| | UVH_ _CCT | FRPVC (RD Stripe) | |
| UVK_ _AC_ (0.5mm ² Trips, OAA/MYLAR (Unarmoured)) | UVK_ _ACM | LHPVC (BE Stripe) | 1 to 40 Pairs |
| | UVK_ _ACT | FRPVC (RD Stripe) | |
| UVK_ _BC_ (0.75mm ² Trips, OAA/MYLAR (Unarmoured)) | UVK_ _BCM | LHPVC (BE Stripe) | 1 to 40 Pairs |
| | UVK_ _BCT | FRPVC (RD Stripe) | |
| UVK_ _CC_ (1.5mm ² Trips, OAA/MYLAR (Unarmoured)) | UVK_ _CCM | LHPVC (BE Stripe) | 1 to 40 Pairs |
| | UVK_ _CCT | FRPVC (RD Stripe) | |
| UVM_ _AC_ (0.5mm ² Trips, IND/OAA/MYLAR (Unarmoured)) | UVM_ _ACM | LHPVC (BE Stripe) | 2 to 40 Pairs |
| | UVM_ _ACT | FRPVC (RD Stripe) | |
| UVM_ _BC_ (0.75mm ² Trips, IND/OAA/MYLAR (Unarmoured)) | UVM_ _BCM | LHPVC (BE Stripe) | 2 to 40 Pairs |
| | UVM_ _BCT | FRPVC (RD Stripe) | |
| UVM_ _CC_ (1.5mm ² Trips, IND/OAA/MYLAR (Unarmoured)) | UVM_ _CCM | LHPVC (BE Stripe) | 2 to 40 Pairs |
| | UVM_ _CCT | FRPVC (RD Stripe) | |

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|--|------------------------------------|-------------------|---------------|
| UVG_ _AC_ (0.5mm ² Pairs, OAA/MYLAR (SWA)) | UVG_ _ACP | LHPVC (BE Stripe) | 1 to 48 Pairs |
| | UVG_ _ACS | FRPVC (RD Stripe) | |
| UVG_ _BC_ (0.75mm ² Pairs, OAA/MYLAR (SWA)) | UVG_ _BCP | LHPVC (BE Stripe) | 1 to 48 Pairs |
| | UVG_ _BCS | FRPVC (RD Stripe) | |
| UVG_ _CC_ (1.5mm ² Pairs, OAA/MYLAR (SWA)) | UVG_ _CCP | LHPVC (BE Stripe) | 1 to 48 Pairs |
| | UVG_ _CCS | FRPVC (RD Stripe) | |

LHPVC = Low Halogen, Flame Retardant Polyvinyl Chloride
 FRPVC = Flame Retardant Polyvinyl Chloride
 LSZH = Halogen Free, Low Smoke, Flame Retardant

ELECTRICAL PARAMETERS

| CONDUCTOR SIZE: | 0.5mm ² | | | | 0.75mm ² | | | | 1.5mm ² | | | |
|---|--------------------|---------------|-----------|---------------|---------------------|---------------|-----------|---------------|--------------------|---------------|-----------|---------------|
| CONDUCTOR RESISTANCE (Nominal @ 20°C) Ω/km: | 36.5 | | | | 24.5 | | | | 14.4 | | | |
| SCREENING ARRANGEMENT: | QA Screen | IND/QA Screen | QA Screen | IND/QA Screen | QA Screen | IND/QA Screen | QA Screen | IND/QA Screen | QA Screen | IND/QA Screen | QA Screen | IND/QA Screen |
| CAPACITANCE (Nominal @ 800Hz nF/km: | Mutual | Ground | Mutual | Ground | Mutual | Ground | Mutual | Ground | Mutual | Ground | Mutual | Ground |
| 1 PAIR/TRIP: | 205 | 410 | NA | NA | 205 | 410 | NA | NA | 205 | 410 | NA | NA |
| 2, 3 and 4 PAIRS/TRIPS: | 140 | 280 | 205 | 410 | 140 | 280 | 205 | 410 | 140 | 280 | 205 | 410 |
| MORE THAN 4 PAIRS/TRIPS: | 115 | 230 | 205 | 410 | 115 | 230 | 205 | 410 | 115 | 230 | 205 | 410 |