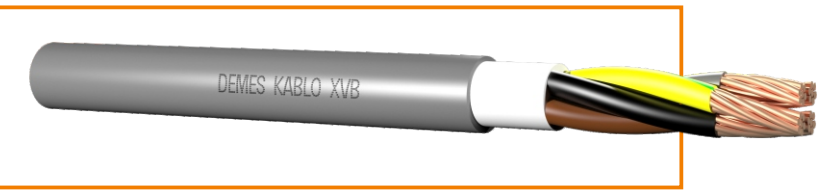


# XVB

## CONSTRUCTION

| | |
|---|---|
| CONDUCTOR | Stranded Annealed Copper Conductor (IEC 60228-Class 2) |
| INSULATION | XLPE |
| BEDDING | LSZH Compound |
| SHEATH | LSZH Compound |

## PHYSICAL&ELECTRICAL CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| MAX. CONTIONUS OPERATION TEMPERATURE OF CONDUCTORS | 90°C | | | |
| MAX. CONDUCTOR TEMPERATURE DURING SHORT CIRCUIT | 250°C | | | |
| NOMINAL VOLTAGE | 600/1000 V | | | |
| TEST VOLTAGE | 3500 V | | | |
| OPERATING TEMPERATURE | Fixed | -40°C ... +90°C | Flexible | -5°C ... +90°C |
| MINUMUM BENDING RADIUS | 10 X D | | | |

## FIRE PERFORMANCE CHARACTERISTICS

| | |
|---|---|
| FLAME RETARDANT | IEC 60332-1 |
| NO FLAME PROPAGATION | IEC 60332-3-24 |
| HALOGEN-FREE | IEC 60754-1, VDE 0482 P267-2-1, DIN EN50267-2-1 |
| NO CORROSIVE GASES | IEC 60754-2, VDE 0482 P267-2-2, DIN EN 50267-2-2 |
| LOW SMOKE EMISSION | IEC 61034-1/-2, VDE 0482 P268-1/-2, DIN EN 50268-1/-2 |

# XVB

## OTHER CHARACTERISTICS

| | |
|---|---|
| UV RESISTANCE | ISO 4892-2 / ISO 4892-3 |
| WATER RESISTANCE | AD7 |
| OIL RESISTANCE | ASTM NO: 2 (4 hours 70°C) |
| HYDROCARCON RESISTANCE | NF-M87-202 (Aliphatic Hydrocarbon) |

## DIMENSIONS

| Number of Core and Cross Section Area (mm²) | Approx. Overall Diameter (mm) (±5%) | Approx. Cable Weight (kg/km) | Max. Conductor Resistance DC at 20°C (Ohm/km) |
|---|---|---|---|
| 2 x 1,5 rm | 9,10 | 118 | 12,1 |
| 2 x 2,5 rm | 10,00 | 151 | 7,41 |
| 12 x 1,5 rm | 16,10 | 359 | 12,1 |