

NSSHOEU HEAVY DUTY RUBBER FLEXIBLE CABLE

Finely stranded copper conductors, class 5 to DIN VDE 0295/individual concentric protective earth conductor/EPR insulated to DIN VDE 0207 Part 20/ vulcanised rubber inner sheath to DIN VDE 0207 Part 21/ closed-lay spinning of steel/copper wires in a vulcanised bond between inner and outer sheath/PCP sheathed to DIN VDE 0207 Part 21 600/1000 volts grade to VDE 0293 Sheath Colour: Yellow

| NO OF CORES AND SIZE SQ..MM | BATT PART NUMBER | CONDUCTOR DIAMETER MM | OVERALL DIAMETER MM | | CONDUCTOR RESISTANCE AT 20 DEG | INDUCTANCE PER UNIT LENGTH | CURRENT CARRYING CAPACITY AT 30 DEG | APPROX NET WEIGHT FOR 1000M | MAX PERMISSIBLE TENSILE FORCE N |
|-----------------------------------|---------------------|-----------------------------|---------------------------|------|--------------------------------------|----------------------------------|--|-----------------------------------|--|
| | | | MIN | MAX | | | | | |
| 3x2.5 +3x2.5/3E +3x1.5ST | 82103 | 2.0 | 17.1 | 19.1 | 7.98 | 0.32 | 30 | 510 | 113 |
| 3x4 +3x4/3E+3x1.5ST | | 2.4 | 17.8 | 19.8 | 4.95 | 0.31 | 41 | 552 | 180 |
| 3x6 +3x6/3E+3x1.5ST | 82102 | 2.9 | 18.4 | 20.4 | 3.3 | 0.29 | 53 | 628 | 270 |
| 3x10 +3x10/3E+3x2.5ST | 82128 | 4.0 | 22.1 | 24.1 | 1.91 | 0.28 | 74 | 934 | 450 |
| 3x16 +3x16/3E +3x2.5ST | 82101 | 5.0 | 23.9 | 25.9 | 1.21 | 0.27 | 99 | 1175 | 720 |
| 3x25 +3x16/3E +3x2.5ST | 82107 | 6.3 | 27.7 | 30.7 | 0.780 | 0.26 | 131 | 1640 | 1125 |
| 3x35 +3x16/3E +3x2.5ST | 82130 | 7.5 | 30.1 | 33.1 | 0.554 | 0.25 | 162 | 2010 | 1575 |
| 3x50 +3x25/3E+3x2.5ST | | 8.9 | 36.5 | 39.5 | 0.386 | 0.25 | 202 | 2800 | 2250 |
| 3x70 +3x35/3E +3x2.5ST | | 10.7 | 40.6 | 43.6 | 0.272 | 0.24 | 250 | 3800 | 3150 |
| 3x95 +3x50/3E +3x2.5ST | | 12.3 | 45.5 | 48.5 | 0.206 | 0.24 | 301 | 4800 | 4275 |
| 3x120 +3x70/3E +3x2.5ST | | 14.3 | 51.9 | 55.9 | 0.161 | 0.23 | 352 | 5980 | 5400 |
| 3x150 +3x70/3E+3x2.5ST | | 16.0 | 56.2 | 60.2 | 0.129 | 0.23 | 404 | 7350 | 6750 |
| 3x185 +3x95/3E+3x2.5ST | | 17.7 | 62.8 | 66.8 | 0.106 | 0.23 | 461 | 9100 | 8325 |

Conductor Stranding: Class 5

Operating Temperature: Maximum: 90°C, Minimum flexing -25°C

Applications:

The cables are suitable for fixed installation and flexible operation as power supply cables to motors, distribution boards etc, for underground mining applications, for tunnel building applications, for open cast mining applications, for use in quarries and similar applications. Permitted for applications according to DIN VDE 0118

Minimum bending radius:

According to DIN VDE 0298 Part 3

VDE0473 Part811-2-1:

Resistance to oil, EN 60811-2-1, IEC60811-2-1

VDE 0482 Part 332-1-2:

Behaviour in case of fire, EN60332-1-2, IEC60332-1-2

VDE0250:

Insulated cables, wires and flexible cords for power installation. PVC insulated polyurethane sheathed flexible cable

VDE0293:

Identification of cores for cables and flexible cords used in power installations with voltage ratings up to 1000 V.

VDE0298 Part 4:

Current carrying capacity

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