

WILBAflex Mine EMC

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SublineFlexible, shielded polyurethane cable for frequency-controlled motors

WILBAflex Mine EMC is designed for the strictest requirements for safety and ruggedness in mining and industry – and is also equipped with effective electromagnetic shielding for the connection of frequency-controlled motors. Yet the arrangement of the earth conductors keeps it especially compact. Finely stranded wires give it maximum flexibility for optimum handling. Moreover, WILBAflex Mine is a relatively lightweight cable. The core insulation made of a durable ethylene-propylene (EPR) mixture and the sheath made of polyurethane (PUR) are halogen-free and each have excellent fire safety properties. On request, these properties can be boosted even further through the use of FRNC (flame-retardant non-corrosive) materials; for instance, to prevent the development of smoke, the spreading of fire and the formation of corrosive gases in the event of underground fires.



Technical data

| Cross-section mm ² | Part no. | Conductor code | Ø d1 approx. mm | Ø D mm | Copper index kg/km | Weight kg/km | loaded conductor acc. VDE 0298 part 4 A |
|----------------------------------|----------|----------------|--------------------|------------|-----------------------|-----------------|--|
| 3X25 + 3G4 | 531151 | 3LPE | 21.0 | 26.0 ± 0.4 | 1006 | 1230 | 106 |
| 3X35 + 3G6 | 31152 | 3LPE | 24.7 | 29.8 ± 0.4 | 1375 | 1640 | 135 |
| 3X50 + 3G10 | 31165 | 3LPE | 28.7 | 34.9 ± 0.4 | 1966 | 2350 | 168 |
| 3X70 + 3G16 | 31156 | 3LPE | 32.7 | 38.9 ± 0.4 | 2816 | 3130 | 207 |
| 3X95 + 3G16 | 31155 | 3LPE | 38.0 | 44.6 ± 0.4 | 3809 | 3995 | 250 |
| 3X185 + 3G35 | 18821 | 3LPE | 49.4 | 59.1 ± 0.5 | 7089 | 7960 | 382 |