| Application Criteria | ÖLFLEX® HEAT 105 MC | ÖLFLEX® HEAT 145 MC | ÖLFLEX® HEAT 145 C MC | ÖLFLEX® HEAT 180 SiHF | ÖLFLEX® HEAT 180 H05SS-F EWKF | ÖLFLEX® HEAT 180 MS | ÖLFLEX® HEAT 180 C MS | ÖLFLEX® HEAT 180 EWKF | ÖLFLEX® HEAT 180 EWKF C | ÖLFLEX® HEAT 180 GLS | ÖLFLEX® HEAT 205 MC | ÖLFLEX® HEAT 260 MC | ÖLFLEX® HEAT 260 C MC | ÖLFLEX® HEAT 260 GLS | ÖLFLEX® HEAT 350 MC | ÖLFLEX® HEAT 1565 MC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Application** | | | | | | | | | | | | | | | | |
| External and internal cabling of machinery | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Internal wiring in cabinets | | | | | | | | | | | | | | | | |
| In dry rooms | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| In dry and damp rooms | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | | |
| For outdoor use, fixed installed and mech. protected | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | | |
| Highest chemical resistance | | | | | | | | | | | ● | ● | ● | ● | | |
| In EMI critical areas | | | ● | | | | ● | | ● | | | | ● | | | |
| Suitable for the use in paint shop lines | | | | | | | | | | | ○ | | ● | ● | | |
| **Temperature range** | | | | | | | | | | | | | | | | |
| +1565° C | | | | | | | | | | | | | | | | ☒ |
| +400° C | | | | | | | | | | | | | | | | □ |
| +350° C | | | | | | | | | | | | | | | □ | |
| +300° C | | | | | | | | | | | | ☒ | ☒ | ☒ | | |
| +260° C | | | | | | | | | | | | ◪ | ◪ | ◪ | | |
| +200 °C | | | | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ◪ | | | | | |
| +180 °C | | | | ◪ | ◪ | ◪ | ◪ | ◪ | ◪ | ◪ | | | | | | |
| +145 °C | | ☒ | ☒ | | | | | | | | | | | | | |
| +125 °C | | ■ | ■ | | | | | | | | | | | | | |
| +105 °C | ☒ | | | | | | | | | | | | | | | |
| +90 °C | □ | | | | | | | | | | | | | | | |
| -20 °C | □ | | | | | | | | | | | | | | | |
| -35 °C | | ■ | ■ | | | | | | | | | | | | | |
| -50 °C | | □ | □ | ◪ | ◪ | ◪ | ◪ | ◪ | ◪ | ◪ | | | | | □ | |
| -80 °C | | | | | | | | | | | ■ | | | | | |
| -100 °C | | | | | | | | | | | □ | | | | | |
| -140 °C | | | | | | | | | | | | ■ | ■ | ■ | | |
| -190° C | | | | | | | | | | | | □ | □ | □ | | □ |

| Application Criteria | ÖLFLEX® HEAT 105 MC | ÖLFLEX® HEAT 145 MC | ÖLFLEX® HEAT 145 C MC | ÖLFLEX® HEAT 180 SiHF | ÖLFLEX® HEAT 180 H05SS-F EWKF | ÖLFLEX® HEAT 180 MS | ÖLFLEX® HEAT 180 C MS | ÖLFLEX® HEAT 180 EWKF | ÖLFLEX® HEAT 180 EWKF C | ÖLFLEX® HEAT 180 GLS | ÖLFLEX® HEAT 205 MC | ÖLFLEX® HEAT 260 MC | ÖLFLEX® HEAT 260 C MC | ÖLFLEX® HEAT 260 GLS | ÖLFLEX® HEAT 350 MC | ÖLFLEX® HEAT 1565 MC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Nominal voltage** | | | | | | | | | | | | | | | | |
| 300/500 V | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 450/750 V | | ● | ● | | | | | | | | | | | | | |
| 600/1000 V | | ○ | ○ | | | | | | | | | | | | | |
| 10 kV | | | | | | | | | | | | | | | | |
| 600 V according UL/CSA | | | | | | ● | ● | | | | | | | | | |
| **Standards** | | | | | | | | | | | | | | | | |
| Halogen free according IEC 60754-1 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| Low smoke density according IEC 601034 | | ● | ● | | | | | | | | | | | | | |
| Low smoke toxicity according NES 02-713 | | ● | ● | | | | | | | | | | | | | |
| Flame retardant according IEC 60332-1-2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ● | ● |
| Low flame propagation according IEC 60332.3 | | ● | ● | | | | | | | | | | | | | |
| Based on VDE/HAR/DIN | ● | | | ● | | | | ● | ● | ● | ● | ● | ● | | ● | ● |
| With HAR certification | | | | | ● | | | | | | | | | | | |
| With UL/CSA certification | | | | | | ● | ● | | | | | | | | | |
| With GL resp. DNV certification | | ● | ● | | | | | | | | | | | ● | | |





| Application Criteria | ÖLFLEX® HEAT 105 MC | ÖLFLEX® HEAT 145 MC | ÖLFLEX® HEAT 145 C MC | ÖLFLEX® HEAT 180 SiHF | ÖLFLEX® HEAT 180 H05SS-F EWKF | ÖLFLEX® HEAT 180 MS | ÖLFLEX® HEAT 180 C MS | ÖLFLEX® HEAT 180 EWKF | ÖLFLEX® HEAT 180 EWKF C | ÖLFLEX® HEAT 180 GLS | ÖLFLEX® HEAT 205 MC | ÖLFLEX® HEAT 260 MC | ÖLFLEX® HEAT 260 C MC | ÖLFLEX® HEAT 260 GLS | ÖLFLEX® HEAT 350 MC | ÖLFLEX® HEAT 1565 MC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Make-up** | | | | | | | | | | | | | | | | |
| Solid conductor according VDE 0295 Class 1 | | | | | | | | | | | | | | | | |
| Fine wired according VDE 0295 Class 5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| PVC core insulation/ sheath, heat resistant | ● | | | | | | | | | | | | | | | |
| Halogen free special core insulation/sheath | | ● | ● | | | | | | | | | | | | | |
| Silicone core insulation/sheath | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| Silicone, notch resistant (EWKF) sheath | | | | | ● | | | ● | ● | | | | | | | |
| Fluoropolymer core insulation/sheath (FEP/PTFE) | | | | | | | | | | | ● | ● | ● | ● | | |
| Glass fibre insulation/sheath | | | | | | | | | | | | | | | ● | ● |
| Core number printing according VDE 0293 | | ● | ● | ● | | ● | ● | ● | ● | ● | | | | | | |
| Core colour code according VDE 0293-308 | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Individual colours | | | | | | | | | | | | | | | | |
| Common copper screening | | | ● | | | | ● | | ● | | | | ● | | | |
| Steel wire armouring | | | | | | | | | | ● | | | | ● | | |

● = Principal application
○ = Application not customary, but possible, or alternative design available in the range
■ = Temperature range for flexible laying
◪ = Temperature range for static and flexible laying
□ = Temperature range for static laying
☒ = Temperature range for static laying (short-term)