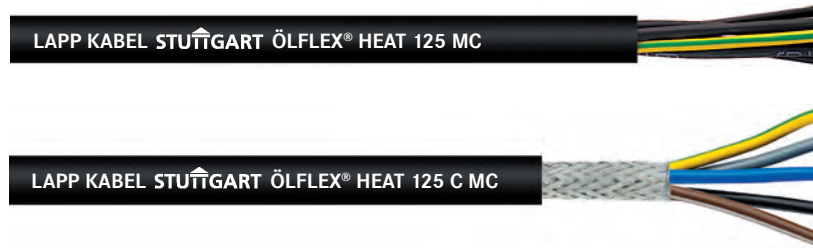


ÖLFLEX® HEAT 125 MC/125 C MC

Highly flame retardant high temperature multi-conductor control cable



The ÖLFLEX® HEAT 125 MC series are heat resistant, highly flame retardant, halogen-free multi-conductor cables with a cross-linked polyolefin copolymer compound. Cables are available in both shielded and non-shielded versions.

Unshielded construction

- Conductors: finely stranded tinned copper
- Insulation: cross-linked polyolefin copolymer
- Jacket: cross-linked polyolefin copolymer; black

Shielded construction

- Conductors: finely stranded tinned copper
- Insulation: cross-linked polyolefin copolymer
- Shielding: tinned copper braid
- Jacket: cross-linked polyolefin copolymer; black

Recommended applications

Lighting equipment; heating appliances; switch gear cabinets; other high-temperature and outdoor appliances

Approvals



Application advantage

- Resistant to humidity, ozone & UV
- Highly flame retardant
- Abrasion and notch resistant
- Halogen-free
- DNV-GL type-approved product

Cable attributes page 648

| | | | |
|--------|-------|-------|-------|
| OIL | OR-01 | FLAME | FR-03 |
| MOTION | FL-01 | MECH. | MP-01 |

Complete the installation

| | |
|---------------|------------------|
| SKINDICHT® CN | EPIC® connectors |
| page 530 | page 284 |

Technical data

| | |
|--|---|
| <p> Minimum bend radius: - for stationary use: 4 x cable diameter - shielded: 5 x cable diameter</p> <p> Temperature range: -55°C to +125°C short term up to 145°C</p> <p> Nominal voltage: - up to 18 AWG: 300/500V - 16 AWG & larger: 450/750V</p> <p> Test voltage: 4000V</p> <p> Conductor stranding: Class 5 fine wire</p> | <p> Color code: - ÖLFLEX® HEAT 125 MC: - up to 5c: VDE 0293-308: chart 6, page 681 - 6c & higher: black with white numbers, plus green/yellow ground - ÖLFLEX® HEAT C 125 MC: VDE 0293-308: chart 6, page 681 or black with white numbers, plus green/yellow ground</p> <p> Approvals: CE & RoHS DNV-GL certified</p> |
|--|---|

ÖLFLEX® HEAT 125 MC

| Part number | Number of conductors incl. ground* | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINDICHT® CN PG thread |
|-------------------------------------|------------------------------------|------------------------------|------|-----------------------|------------------------|-------------------------|
| 20 AWG (0.5 mm²) | | | | | | |
| 1024300 | 2 | 0.236 | 6.0 | 6 | 26 | 52032525 |
| 1024301 | 3 | 0.248 | 6.3 | 10 | 31 | 52032525 |
| 19 AWG (0.75 mm²) | | | | | | |
| 1024307 | 2 | 0.252 | 6.4 | 10 | 27 | 52032525 |
| 1024308 | 3 | 0.268 | 6.8 | 15 | 36 | 52032525 |
| 1024309 | 4 | 0.292 | 7.4 | 19 | 46 | 52032525 |
| 1024310 | 5 | 0.327 | 8.3 | 24 | 58 | 52032525 |
| 1024311 | 7 | 0.355 | 9.0 | 34 | 85 | 52032525 |
| 18 AWG (1 mm²) | | | | | | |
| 1024315 | 2 | 0.260 | 6.6 | 13 | 34 | 52032525 |
| 1024316 | 3 | 0.276 | 7.0 | 19 | 45 | 52032525 |
| 1024317 | 4 | 0.307 | 7.8 | 26 | 58 | 52032525 |
| 1024318 | 5 | 0.339 | 8.6 | 32 | 72 | 52032525 |
| 1024319 | 7 | 0.374 | 9.5 | 45 | 102 | 52032525 |
| 1024320 | 12 | 0.504 | 12.8 | 77 | 149 | 52032540 |

* 2c cable does not include ground

| Part number | Number of conductors incl. ground* | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINDICHT® CN PG thread |
|------------------------------------|------------------------------------|------------------------------|------|-----------------------|------------------------|-------------------------|
| 16 AWG (1.5 mm²) | | | | | | |
| 1024323 | 2 | 0.299 | 7.6 | 19 | 48 | 52032525 |
| 1024324 | 3 | 0.327 | 8.3 | 29 | 65 | 52032525 |
| 1024325 | 4 | 0.355 | 9.0 | 39 | 83 | 52032525 |
| 1024326 | 5 | 0.398 | 10.1 | 48 | 105 | 52032525 |
| 1024327 | 7 | 0.441 | 11.2 | 68 | 151 | 52032525 |
| 1024328 | 12 | 0.595 | 15.1 | 116 | 212 | 52032525 |
| 14 AWG (2.5 mm²) | | | | | | |
| 1024333 | 2 | 0.355 | 9.0 | 32 | 69 | 52032525 |
| 1024334 | 3 | 0.386 | 9.8 | 48 | 97 | 52032525 |
| 1024335 | 4 | 0.426 | 10.8 | 65 | 127 | 52032525 |
| 1024336 | 5 | 0.469 | 11.9 | 81 | 158 | 52032540 |
| 1024337 | 7 | 0.520 | 13.2 | 113 | 231 | 52032540 |
| 12 AWG (4 mm²) | | | | | | |
| 1024341 | 4 | 0.500 | 12.7 | 103 | 185 | 52032540 |
| 1024342 | 5 | 0.552 | 14.0 | 129 | 224 | 52032540 |
| 10 AWG (6 mm²) | | | | | | |
| 1024346 | 4 | 0.556 | 14.1 | 155 | 229 | 52032540 |
| 1024347 | 5 | 0.623 | 15.8 | 194 | 290 | 52032560 |

ÖLFLEX® HEAT 125 C MC

color-coded

| Part number | Number of conductors incl. ground* | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINDICHT® CN PG thread |
|-------------------------------------|------------------------------------|------------------------------|------|-----------------------|------------------------|-------------------------|
| 20 AWG (0.5 mm²) | | | | | | |
| 1024400 | 2 | 0.268 | 6.8 | 28 | 30 | 52032525 |
| 1024401 | 3 | 0.280 | 7.1 | 31 | 40 | 52032525 |
| 19 AWG (0.75 mm²) | | | | | | |
| 1024407 | 2 | 0.284 | 7.2 | 31 | 53 | 52032525 |
| 1024408 | 3 | 0.299 | 7.6 | 39 | 65 | 52032525 |
| 1024409 | 4 | 0.331 | 8.4 | 43 | 78 | 52032525 |
| 1024410 | 5 | 0.359 | 9.1 | 52 | 93 | 52032525 |
| 18 AWG (1 mm²) | | | | | | |
| 1024415 | 2 | 0.292 | 7.4 | 38 | 60 | 52032525 |
| 1024416 | 3 | 0.315 | 8.0 | 44 | 70 | 52032525 |
| 1024417 | 4 | 0.339 | 8.6 | 52 | 87 | 52032525 |
| 1024418 | 5 | 0.378 | 9.6 | 60 | 103 | 52032525 |
| 16 AWG (1.5 mm²) | | | | | | |
| 1024423 | 2 | 0.339 | 8.6 | 44 | 77 | 52032525 |
| 1024424 | 3 | 0.359 | 9.1 | 56 | 89 | 52032525 |
| 1024425 | 4 | 0.394 | 10.0 | 67 | 110 | 52032525 |
| 1024426 | 5 | 0.437 | 11.1 | 84 | 134 | 52032525 |
| 14 AWG (2.5 mm²) | | | | | | |
| 1024433 | 2 | 0.394 | 10.0 | 75 | 106 | 52032525 |
| 1024434 | 3 | 0.422 | 10.7 | 98 | 133 | 52032525 |
| 1024435 | 4 | 0.457 | 11.6 | 112 | 159 | 52032525 |
| 1024436 | 5 | 0.508 | 12.9 | 134 | 193 | 52032540 |
| 12 AWG (4 mm²) | | | | | | |
| 1024441 | 4 | 0.540 | 13.7 | 159 | 213 | 52032540 |
| 10 AWG (6 mm²) | | | | | | |
| 1024446 | 4 | 0.595 | 15.1 | 214 | 271 | 52032560 |
| 8 AWG (10 mm²) | | | | | | |
| 1024451 | 4 | 0.760 | 19.3 | 375 | 450 | 52032560 |

* 2c cable does not include ground

black with white numbers

| Part number | Number of conductors incl. ground* | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINDICHT® CN PG thread |
|-------------------------------------|------------------------------------|------------------------------|------|-----------------------|------------------------|-------------------------|
| 19 AWG (0.75 mm²) | | | | | | |
| 1024480 | 2* | 0.284 | 7.2 | 31 | 53 | 52032525 |
| 1024481 | 3* | 0.299 | 7.6 | 39 | 65 | 52032525 |
| 1024482 | 4* | 0.331 | 8.4 | 43 | 78 | 52032525 |
| 1024411 | 7 | 0.394 | 10.0 | 69 | 125 | 52032525 |
| 1024483 | 7* | 0.394 | 10.0 | 69 | 125 | 52032525 |
| 1024412 | 12 | 0.528 | 13.4 | 119 | 147 | 52032540 |
| 18 AWG (1 mm²) | | | | | | |
| 1024484 | 2* | 0.292 | 7.4 | 38 | 60 | 52032525 |
| 1024485 | 3* | 0.315 | 8.0 | 44 | 70 | 52032525 |
| 1024419 | 7 | 0.406 | 10.3 | 76 | 142 | 52032525 |
| 1024420 | 12 | 0.552 | 14.0 | 126 | 179 | 52032540 |
| 16 AWG (1.5 mm²) | | | | | | |
| 1024486 | 2* | 0.339 | 8.6 | 44 | 77 | 52032525 |
| 1024487 | 4* | 0.394 | 10.0 | 67 | 110 | 52032525 |
| 1024427 | 7 | 0.473 | 12.0 | 100 | 183 | 52032540 |
| 1024488 | 7* | 0.473 | 12.0 | 100 | 183 | 52032540 |
| 1024428 | 12 | 0.642 | 16.3 | 121 | 249 | 52032560 |
| 14 AWG (2.5 mm²) | | | | | | |
| 1024489 | 3* | 0.422 | 10.7 | 98 | 133 | 52032525 |
| 1024490 | 4* | 0.457 | 11.6 | 112 | 159 | 52032525 |
| 1024437 | 7 | 0.567 | 14.4 | 194 | 259 | 52032540 |
| 1024438 | 12 | 0.760 | 19.3 | 321 | 382 | 52032560 |

* Cable does not include ground



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