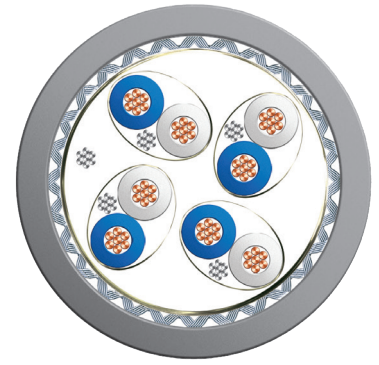




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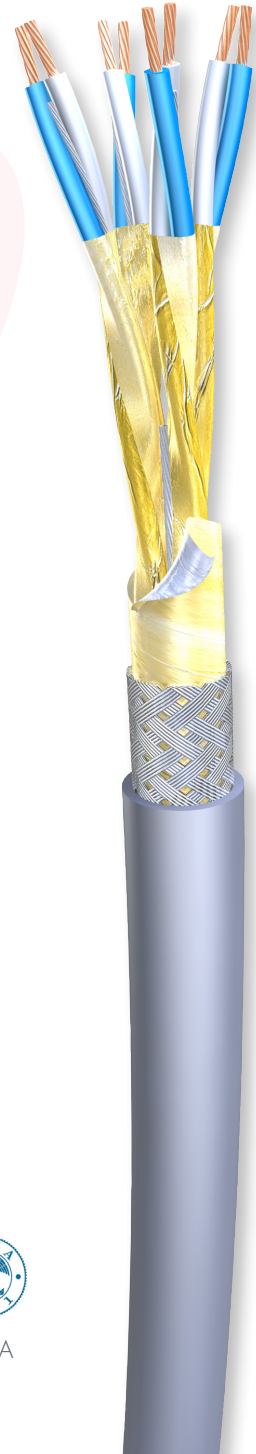


Application

Lightweight, individual pair and overall screened, armoured, control, instrumentation, tele- and data cable.

Cable Design

| | |
|---------------------|---|
| Standardization | IEC 60092-350/-360/-376 |
| Certification | Product dependent |
| Conductor material | Bare Copper |
| Core insulation | XLPE (VPE) |
| Conductor category | Class 2 = stranded |
| Core identification | Pairs & Quads: Numbered Blue and White . Triples: Numbered Blue, White and Red |
| Pair Shield | Each pair Alpet taped with drain wire |
| Outer Shield | Alpet taped with drain wire + Tinned copper braiding |
| Outer Jacket | Flame Retardant Halogen Free Polyolefin Compound |
| Outer Jacket Colour | Product dependent |



Characteristics

- Twisted pairs, triples or quads, individual pair and overall screening.
- Perfect electrical properties and low capacitance for minimal signal loss.
- Halogen free and low smoke, flame retardant.
- Extra mechanical protection and reduced EMI due to the tinned copper braided screen.
- Different colour outer sheaths, other than grey, available on request.



BV



DNV-GL



ABS



PRS



RMRS



LRS



RINA



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Thermal and Electrical Characteristics

| | |
|--|-------------------------------------|
| Flame retardant | IEC 60332-1 / IEC 60332-3-22 Cat. A |
| Halogen free | IEC 60754-1/2 |
| Low smoke | IEC 61034-2 |
| Nominal voltage U | 250 V |
| Test voltage | 1500 V |
| Max. conductor temperature | 90 °C |
| Permitted cable outer temperature, in movement | -20 / 70 °C |
| Permitted cable outer temperature, fixed | -40 / 70 °C |

Specification

| Part number | Construction | Colour outer sheath | Net weight (kg/m) | Outer diameter approx. | Tensile load |
|-------------|------------------------------|---------------------|-------------------|------------------------|--------------|
| 17223 | 2 x 2 x 0,5 mm ² | Grey | 0,126 | 10 | 30 |
| 17280 | 3 x 3 x 0,5 mm ² | Grey | 0,152 | 10,9 | 68 |
| 17224 | 4 x 2 x 0,5 mm ² | Grey | 0,185 | 11,7 | 60 |
| 17281 | 4 x 3 x 0,5 mm ² | Grey | 0,220 | 12,6 | 90 |
| 17225 | 6 x 2 x 0,5 mm ² | Grey | 0,307 | 14,5 | 90 |
| 17226 | 7 x 2 x 0,5 mm ² | Grey | 0,272 | 13,9 | 105 |
| 17282 | 7 x 3 x 0,5 mm ² | Grey | 0,373 | 16,2 | 158 |
| 17227 | 8 x 2 x 0,5 mm ² | Grey | 0,334 | 15,3 | 120 |
| 17228 | 10 x 2 x 0,5 mm ² | Grey | 0,406 | 17,3 | 150 |
| 17283 | 10 x 3 x 0,5 mm ² | Grey | 0,510 | 19,8 | 225 |
| 17229 | 12 x 2 x 0,5 mm ² | Grey | 0,466 | 18,1 | 180 |
| 17230 | 14 x 2 x 0,5 mm ² | Grey | 0,516 | 19,4 | 210 |
| 17284 | 14 x 3 x 0,5 mm ² | Grey | 0,642 | 21,7 | 315 |
| 17231 | 19 x 2 x 0,5 mm ² | Grey | 0,656 | 22,0 | 285 |



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Specification

| Part number | Construction | Colour outer sheath | Net weight (kg/m) | Outer diameter approx. | Tensile load |
|-------------|-------------------------------|---------------------|-------------------|------------------------|--------------|
| 17285 | 19 x 3 x 0,5 mm ² | Grey | 0,824 | 24,7 | 428 |
| 17232 | 24 x 2 x 0,5 mm ² | Grey | 0,798 | 24,4 | 360 |
| 17286 | 24 x 3 x 0,5 mm ² | Grey | 1,008 | 27,4 | 540 |
| 17233 | 27 x 2 x 0,5 mm ² | Grey | 0,889 | 25,8 | 405 |
| 17234 | 30 x 2 x 0,5 mm ² | Grey | 0,965 | 26,9 | 450 |
| 17235 | 37 x 2 x 0,5 mm ² | Grey | 1,157 | 29,5 | 555 |
| 16329 | 1 x 2 x 0,75 mm ² | Grey | 0,079 | 7,0 | 20 |
| 16348 | 1 x 3 x 0,75 mm ² | Grey | 0,090 | 7,5 | 34 |
| 16290 | 2 x 2 x 0,75 mm ² | Grey | 0,144 | 10,9 | 45 |
| 16300 | 2 x 2 x 0,75 mm ² | Blue | 0,143 | 10,9 | 45 |
| 16328 | 2 x 2 x 0,75 mm ² | Purple/violet | 0,143 | 10,9 | 45 |
| 16331 | 3 x 2 x 0,75 mm ² | Grey | 0,178 | 11,7 | 68 |
| 17290 | 3 x 3 x 0,75 mm ² | Grey | 0,171 | 11,7 | 101 |
| 16291 | 4 x 2 x 0,75 mm ² | Grey | 0,216 | 12,7 | 90 |
| 17291 | 4 x 3 x 0,75 mm ² | Grey | 0,293 | 14,2 | 135 |
| 16332 | 5 x 2 x 0,75 mm ² | Grey | 0,288 | 14,4 | 113 |
| 16292 | 6 x 2 x 0,75 mm ² | Grey | 0,356 | 15,8 | 135 |
| 16293 | 7 x 2 x 0,75 mm ² | Grey | 0,351 | 15,8 | 158 |
| 17292 | 7 x 3 x 0,75 mm ² | Grey | 0,434 | 17,5 | 236 |
| 17237 | 8 x 2 x 0,75 mm ² | Grey | 0,392 | 16,3 | 180 |
| 16294 | 10 x 2 x 0,75 mm ² | Grey | 0,476 | 19 | 225 |
| 17293 | 10 x 3 x 0,75 mm ² | Grey | 0,596 | 21,3 | 338 |
| 17238 | 12 x 2 x 0,75 mm ² | Grey | 0,528 | 19,5 | 270 |
| 16295 | 14 x 2 x 0,75 mm ² | Grey | 0,611 | 21,3 | 315 |
| 17294 | 14 x 3 x 0,75 mm ² | Grey | 0,772 | 23,3 | 473 |
| 16296 | 19 x 2 x 0,75 mm ² | Grey | 0,775 | 24,2 | 428 |
| 17295 | 19 x 3 x 0,75 mm ² | Grey | 0,991 | 26,8 | 641 |

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Specification

| Part number | Construction | Colour outer sheath | Net weight (kg/m) | Outer diameter approx. | Tensile load |
|-------------|-------------------------------|---------------------|-------------------|------------------------|--------------|
| 16297 | 24 x 2 x 0,75 mm ² | Grey | 0,951 | 26,9 | 540 |
| 17296 | 24 x 3 x 0,75 mm ² | Grey | 1,210 | 29,7 | 810 |
| 17239 | 27 x 2 x 0,75 mm ² | Grey | 1,035 | 27,8 | 608 |
| 16298 | 30 x 2 x 0,75 mm ² | Grey | 1,147 | 29,7 | 675 |
| 16299 | 37 x 2 x 0,75 mm ² | Grey | 1,375 | 32,4 | 833 |
| 17243 | 2 x 2 x 1 mm ² | Grey | 0,166 | 11,6 | 60 |
| 17241 | 3 x 2 x 1 mm ² | Grey | 0,200 | 12,3 | 68 |
| 17300 | 3 x 3 x 1 mm ² | Grey | 0,194 | 12,4 | 135 |
| 17244 | 4 x 2 x 1 mm ² | Grey | 0,241 | 14,1 | 120 |
| 17301 | 4 x 3 x 1 mm ² | Grey | 0,338 | 15,3 | 180 |
| 17245 | 6 x 2 x 1 mm ² | Grey | 0,406 | 16,8 | 180 |
| 17246 | 7 x 2 x 1 mm ² | Grey | 0,398 | 16,6 | 210 |
| 17242 | 7 x 3 x 1 mm ² | Grey | 0,521 | 18,9 | 315 |
| 17247 | 8 x 2 x 1 mm ² | Grey | 0,450 | 17,8 | 240 |
| 17248 | 10 x 2 x 1 mm ² | Grey | 0,547 | 20,2 | 300 |
| 17303 | 10 x 3 x 1 mm ² | Grey | 0,710 | 22,9 | 450 |
| 17249 | 12 x 2 x 1 mm ² | Grey | 0,620 | 21,1 | 360 |
| 17250 | 14 x 2 x 1 mm ² | Grey | 0,699 | 22,4 | 420 |
| 17304 | 14 x 3 x 1 mm ² | Grey | 0,908 | 25,2 | 630 |
| 17251 | 19 x 2 x 1 mm ² | Grey | 0,900 | 25,5 | 570 |
| 17305 | 19 x 3 x 1 mm ² | Grey | 1,172 | 28,7 | 855 |
| 17252 | 24 x 2 x 1 mm ² | Grey | 1,112 | 28,5 | 720 |
| 17256 | 24 x 3 x 1 mm ² | Grey | 1,457 | 32,1 | 1080 |
| 17253 | 27 x 2 x 1 mm ² | Grey | 1,224 | 29,9 | 810 |
| 17254 | 30 x 2 x 1 mm ² | Grey | 1,333 | 31,3 | 900 |
| 17255 | 37 x 2 x 1 mm ² | Grey | 1,604 | 34,4 | 1110 |
| 16347 | 1 x 2 x 1,5 mm ² | Grey | 0,106 | 8,6 | 45 |

...table continued on next page



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Specification

| Part number | Construction | Colour outer sheath | Net weight (kg/m) | Outer diameter approx. | Tensile load |
|-------------|------------------------------|---------------------|-------------------|------------------------|--------------|
| 16333 | 2 x 2 x 1,5 mm ² | Grey | 0,243 | 14,3 | 90 |
| 17310 | 2 x 3 x 1,5 mm ² | Grey | 0,290 | 14,8 | 135 |
| 16335 | 4 x 2 x 1,5 mm ² | Grey | 0,360 | 16 | 180 |
| 17311 | 4 x 3 x 1,5 mm ² | Grey | 0,460 | 18 | 270 |
| 16334 | 6 x 2 x 1,5 mm ² | Grey | 0,537 | 19,6 | 270 |
| 16336 | 7 x 2 x 1,5 mm ² | Grey | 0,525 | 19,8 | 315 |
| 17312 | 7 x 3 x 1,5 mm ² | Grey | 0,707 | 22,4 | 473 |
| 16337 | 8 x 2 x 1,5 mm ² | Grey | 0,590 | 21 | 360 |
| 16338 | 10 x 2 x 1,5 mm ² | Grey | 0,730 | 24 | 450 |
| 17317 | 10 x 3 x 1,5 mm ² | Grey | 0,959 | 27,3 | 675 |
| 16339 | 12 x 2 x 1,5 mm ² | Grey | 0,827 | 25 | 540 |
| 16340 | 14 x 2 x 1,5 mm ² | Grey | 0,947 | 26,8 | 630 |
| 17314 | 14 x 3 x 1,5 mm ² | Grey | 1,247 | 30,2 | 945 |
| 16341 | 19 x 2 x 1,5 mm ² | Grey | 1,225 | 30,5 | 855 |
| 17315 | 19 x 3 x 1,5 mm ² | Grey | 1,618 | 34,5 | 1283 |
| 16346 | 20 x 2 x 1,5 mm ² | Grey | 1,275 | 31,1 | 900 |
| 16342 | 24 x 2 x 1,5 mm ² | Grey | 1,514 | 34,2 | 1080 |
| 17316 | 24 x 3 x 1,5 mm ² | Grey | 2,497 | 38,7 | 1620 |
| 16343 | 27 x 2 x 1,5 mm ² | Grey | 2,102 | 36 | 1215 |
| 16344 | 30 x 2 x 1,5 mm ² | Grey | 2,316 | 37,8 | 1350 |
| 16345 | 37 x 2 x 1,5 mm ² | Grey | 2,361 | 41 | 1665 |
| 17263 | 2 x 2 x 2,5 mm ² | Grey | 0,311 | 16 | 150 |
| 17320 | 3 x 3 x 2,5 mm ² | Grey | 0,386 | 17,2 | 338 |
| 17276 | 4 x 2 x 2,5 mm ² | Grey | 0,484 | 18,6 | 300 |
| 17321 | 4 x 3 x 2,5 mm ² | Grey | 0,614 | 20,4 | 450 |
| 17265 | 6 x 2 x 2,5 mm ² | Grey | 0,686 | 22,3 | 450 |
| 17266 | 7 x 2 x 2,5 mm ² | Grey | 0,725 | 22,3 | 525 |

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Specification

| Part number | Construction | Colour outer sheath | Net weight (kg/m) | Outer diameter approx. | Tensile load |
|-------------|------------------------------|---------------------|-------------------|------------------------|--------------|
| 17322 | 7 x 3 x 2,5 mm ² | Grey | 0,961 | 25,4 | 788 |
| 17267 | 8 x 2 x 2,5 mm ² | Grey | 0,820 | 23,9 | 600 |
| 17268 | 10 x 2 x 2,5 mm ² | Grey | 1,004 | 27,2 | 750 |
| 17323 | 10 x 3 x 2,5 mm ² | Grey | 1,335 | 30,8 | 1125 |
| 17269 | 12 x 2 x 2,5 mm ² | Grey | 1,163 | 28,7 | 900 |
| 17270 | 14 x 2 x 2,5 mm ² | Grey | 1,318 | 30,5 | 1050 |
| 17324 | 14 x 3 x 2,5 mm ² | Grey | 1,760 | 34,4 | 1575 |
| 17271 | 19 x 2 x 2,5 mm ² | Grey | 1,712 | 34,9 | 1425 |
| 17325 | 19 x 3 x 2,5 mm ² | Grey | 2,447 | 39,6 | 2138 |
| 17272 | 24 x 2 x 2,5 mm ² | Grey | 2,273 | 39,2 | 1800 |
| 17326 | 24 x 3 x 2,5 mm ² | Grey | 3,032 | 44,2 | 2700 |
| 17273 | 27 x 2 x 2,5 mm ² | Grey | 2,505 | 41,2 | 2025 |
| 17274 | 30 x 2 x 2,5 mm ² | Grey | 2,741 | 43,2 | 2250 |
| 17275 | 37 x 2 x 2,5 mm ² | Grey | 3,737 | 47,6 | 2775 |