



## DESCAFLEX UL-11030

Halogen-free stranded wires mPPE 105°C 90 V UL/CSA

AWG 28 - AWG 16

Halogen-free, flame retardant stranded wire for the internal wiring of electrical panels, switchgears, electrical and electronic equipment, etc.

A very economical processing of the wires allows the packaging in barrels. They are stackable and feature easy handling and low weight.

|                       |                                                                                                                   |                    |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|
| Construction          | Conductors 7-strands (from AWG 18 19-strands),<br>tinned copper<br>Insulation mPPE (modified Polyphenylene Ether) |                    |
| Technical Data        | Rated voltage U <sub>o</sub> /U                                                                                   | 600 V              |
|                       | Test voltage                                                                                                      | 6000 V             |
|                       | Temperature range                                                                                                 | - 10°C ... + 105°C |
|                       | - static installation                                                                                             | - 40°C ... + 105°C |
|                       | Min. bending radius                                                                                               | 6 x outer diameter |
| Standards / Approvals | UL AWM Style 11030 90 V 105°C                                                                                     |                    |
|                       | CSA AWM I A/B 90 V 105°C                                                                                          |                    |

The stranded wires have a good resistance to chemicals and oil. They meet the requirement vertical flame test VW-1 according to UL 1581, a high dielectric strength combined by compact dimensions is guaranteed.

## Technical Information

| Cross section<br>AWG | Outer-Ø<br>ca. mm | Copper<br>kg/km | Weight<br>kg/km |
|----------------------|-------------------|-----------------|-----------------|
| 28                   | 0.70              | 0.90            | 1.25            |
| 26                   | 0.79              | 1.40            | 1.75            |
| 24                   | 0.92              | 2.20            | 2.60            |
| 22                   | 1.07              | 3.40            | 3.90            |
| 20                   | 1.27              | 6.00            | 6.10            |
| 18                   | 1.58              | 8.30            | 10.15           |
| 16                   | 1.84              | 13.00           | 14.10           |

| AWG 28        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163320 | 163323     | 163326       | 163329 | 163332 | 163335    | 163338 |
| Barrel 3000 m | 163321 | 163324     | 163327       | 163330 | 163333 | 163336    | 163339 |

| AWG 28        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163341 | 163344 | 163347 | 163350 | 163353 | 163356 |
| Barrel 3000 m | 163342 | 163345 | 163348 | 163351 | 163354 | 163357 |

| AWG 26        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163410 | 163413     | 163416       | 163419 | 163422 | 163425    | 163428 |
| Barrel 3000 m | 163411 | 163414     | 163417       | 163420 | 163423 | 163426    | 163429 |

| AWG 26        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163431 | 163434 | 163437 | 163440 | 163443 | 163446 |
| Barrel 3000 m | 163432 | 163435 | 163438 | 163441 | 163444 | 163447 |

| AWG 24        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163500 | 163503     | 163506       | 163509 | 163512 | 163515    | 163518 |
| Barrel 3000 m | 163501 | 163504     | 163507       | 163510 | 163513 | 163516    | 163519 |

| AWG 24        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163521 | 163524 | 163527 | 163530 | 163533 | 163536 |
| Barrel 3000 m | 163522 | 163525 | 163528 | 163531 | 163534 | 163537 |

| AWG 22        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163590 | 163593     | 163596       | 163599 | 163602 | 163605    | 163608 |
| Barrel 3000 m | 163591 | 163594     | 163597       | 163600 | 163603 | 163606    | 163609 |

| AWG 22        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163611 | 163614 | 163617 | 163620 | 163623 | 163626 |
| Barrel 3000 m | 163612 | 163615 | 163618 | 163621 | 163624 | 163627 |

| AWG 20        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163680 | 163683     | 163686       | 163689 | 163692 | 163695    | 163698 |
| Barrel 3000 m | 163681 | 163684     | 163687       | 163690 | 163693 | 163696    | 163699 |

| AWG 20        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163701 | 163704 | 163707 | 163710 | 163713 | 163716 |
| Barrel 3000 m | 163702 | 163705 | 163708 | 163711 | 163714 | 163717 |

| AWG 18        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163770 | 163773     | 163776       | 163779 | 163782 | 163785    | 163788 |
| Barrel 1500 m | 163771 | 163774     | 163778       | 163780 | 163783 | 163786    | 163789 |

| AWG 18        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163791 | 163794 | 163797 | 163800 | 163803 | 163806 |
| Barrel 1500 m | 163792 | 163795 | 163798 | 163801 | 163804 | 163807 |

| AWG 16        | black  | light blue | green-yellow | brown  | grey   | dark blue | red    |
|---------------|--------|------------|--------------|--------|--------|-----------|--------|
| <b>PU</b>     |        |            |              |        |        |           |        |
| Spool 305 m   | 163860 | 163863     | 163866       | 163869 | 163872 | 163875    | 163878 |
| Barrel 1500 m | 163861 | 163867     | 163867       | 163870 | 163873 | 163876    | 163879 |

| AWG 16        | white  | green  | orange | violet | yellow | rose   |
|---------------|--------|--------|--------|--------|--------|--------|
| <b>PU</b>     |        |        |        |        |        |        |
| Spool 305 m   | 163881 | 163884 | 163887 | 163890 | 163893 | 163896 |
| Barrel 1500 m | 163882 | 163885 | 163888 | 163891 | 163894 | 163897 |

| Packaging     | Dimension               |
|---------------|-------------------------|
| Spool 305 m   | 160 x 60 x center 26 mm |
| Barrel 3000 m | 310 x 340 mm            |
| Barrel 1500 m | 310 x 340 mm            |

| Stock availability                                                                                      |
|---------------------------------------------------------------------------------------------------------|
| Item numbers marked in <b>bold</b> are generally available from stock available, subject to prior sale. |