

# DESCAFLEX UL-1 1030

AWG 28 - AWG 16

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

## Application

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

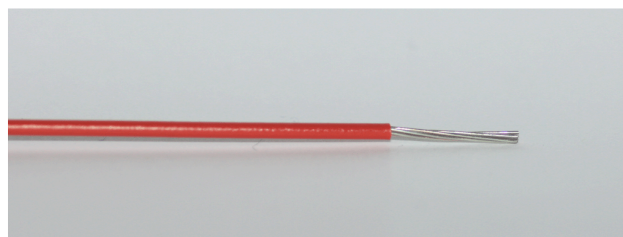
Conductors 7-strands (from AWG 18 19-strands),  
tinned copper  
Insulation mPPE (modified Polyphenylene Ether)

## Special Characteristics

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.

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

Colour code see next page



## Technical Properties

|                                 |                    |
|---------------------------------|--------------------|
| Rated voltage U <sub>0</sub> /U | 90 V               |
| Test voltage                    | 2500 V             |
| Temperature range               | - 10°C ... + 105°C |
| - static installation           | - 40°C ... + 105°C |
| Minimum 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 |

All packaging's are delivered with UL and CSA Labels.

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

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| Colour code   |        |        |              |        |        |           |        |        |
|---------------|--------|--------|--------------|--------|--------|-----------|--------|--------|
| <b>AWG 28</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163320 | 163323 | 163326       | 163329 | 163332 | 163335    | 163338 | 163341 |
| Barrel 3000 m | 163321 | 163324 | 163327       | 163330 | 163333 | 163336    | 163339 | 163342 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163344 | 163347 | 163350       | 163353 | 163356 |           |        |        |
| Barrel 3000 m | 163345 | 163348 | 163351       | 163354 | 163357 |           |        |        |
| <b>AWG 26</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163410 | 163413 | 163416       | 163419 | 163422 | 163425    | 163428 | 163431 |
| Barrel 3000 m | 163411 | 163414 | 163417       | 163420 | 163423 | 163426    | 163429 | 163432 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163434 | 163437 | 163440       | 163443 | 163446 |           |        |        |
| Barrel 3000 m | 163435 | 163438 | 163441       | 163444 | 163447 |           |        |        |
| <b>AWG 24</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163500 | 163503 | 163506       | 163509 | 163512 | 163515    | 163518 | 163521 |
| Barrel 3000 m | 163501 | 163504 | 163507       | 163510 | 163513 | 163516    | 163519 | 163522 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163524 | 163527 | 163530       | 163533 | 163536 |           |        |        |
| Barrel 3000 m | 163525 | 163528 | 163531       | 163534 | 163537 |           |        |        |
| <b>AWG 22</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163590 | 163593 | 163596       | 163599 | 163602 | 163605    | 163608 | 163611 |
| Barrel 3000 m | 163591 | 163594 | 163597       | 163600 | 163603 | 163606    | 163609 | 163612 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163614 | 163617 | 163620       | 163623 | 163626 |           |        |        |
| Barrel 3000 m | 163615 | 163618 | 163621       | 163624 | 163627 |           |        |        |
| <b>AWG 20</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163680 | 163683 | 163686       | 163689 | 163692 | 163695    | 163698 | 163701 |
| Barrel 3000 m | 163681 | 163684 | 163687       | 163690 | 163693 | 163696    | 163699 | 163702 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163704 | 163707 | 163710       | 163713 | 163716 |           |        |        |
| Barrel 3000 m | 163705 | 163708 | 163711       | 163714 | 163717 |           |        |        |
| <b>AWG 18</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163770 | 163773 | 163776       | 163779 | 163782 | 163785    | 163788 | 163791 |
| Barrel 1500 m | 163771 | 163774 | 163778       | 163780 | 163783 | 163786    | 163789 | 163792 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163794 | 163797 | 163800       | 163803 | 163806 |           |        |        |
| Barrel 1500 m | 163795 | 163798 | 163801       | 163804 | 163807 |           |        |        |
| <b>AWG 16</b> | black  | blue   | green-yellow | brown  | grey   | dark blue | red    | white  |
| Spool 305 m   | 163860 | 163863 | 163866       | 163869 | 163872 | 163875    | 163878 | 163881 |
| Barrel 1500 m | 163861 | 163867 | 163867       | 163870 | 163873 | 163876    | 163879 | 163882 |
|               | green  | orange | violet       | yellow | rose   |           |        |        |
| Spool 305 m   | 163884 | 163887 | 163890       | 163893 | 163896 |           |        |        |
| Barrel 1500 m | 163885 | 163888 | 163891       | 163894 | 163897 |           |        |        |