



# TECHNICAL DATA SHEET

part number      cable family

## 27072 O.R. PMXX®

**FORMATION:** 2x2,5

2xAWG14

**INSTALLATION TYPE:** CABLE FOR DYNAMIC INSTALLATION ON DRAG CHAIN

**CATEGORY:** MULTI CORE

**STANDARD/APPROVAL:** CE/UL/CSA

**SHIELDING:** UNSHIELDED



## GROUP // 2X2,5

### CONDUCTOR

|                    |   |
|--------------------|---|
| MATERIAL           | Bare copper   |
| CAPILLARY DIAMETER | - Extra-flexible (DIN VDE 0295, IEC 60228 or CEI 20-29) |
| CONDUCTORS NUMBER  | 2   |
| RATED SECTION      | 2,5 mm <sup>2</sup>                                     |

### INSULATION

|          |                         |
|----------|-------------------------|
| MATERIAL | Polyolefin              |
| COLOUR   | Black Numbered 1 and 2. |

## TOTAL ASSEMBLY MAKE-UP

### TOTAL TAPING

|            |                            |
|------------|----------------------------|
| ON MAKE-UP | Around the total assembly. |
| MATERIAL   | Non-woven tape             |

## TOTAL SHEATH

|               |                           |
|---------------|---------------------------|
| MATERIAL      | Polyurethane non-abrasive |
| COLOUR        | Gray RAL 7040 DESINA®     |
| DIAMETER (MM) | 9±0.35                    |

## MARKING

|                |   |
|----------------|---|
| METRIC MARKING | P/N 27072 TE.CO. E244280 - Fxx - cRUus - AWM STYLE 20234 80°C 1000V VW-1 - AWM I/II A/B 80°C 1000V FT1 2xAWG14 - "FLEXING" - O.R. PMXX® 2x2,5 - IEC 60332-1-2 - year/week - DESINA® - CE meter indication |
|----------------|---|

## ELECTRICAL FEATURES

|                 |        |
|-----------------|--------|
| WORKING VOLTAGE | 1000 V |
| TEST VOLTAGE    | 4000 V |

## DYNAMIC FEATURES

|   |                                  |
|---|----------------------------------|
| MINIMUM BENDING RADIUS STATIC INSTALLATION  | 3 times $\varnothing$ cable      |
| MINIMUM BENDING RADIUS DYNAMIC INSTALLATION | 6 times $\varnothing$ cable      |
| WORKING TEMPERATURE STATIC INSTALLATION     | -50°C / +80°C                    |
| WORKING TEMPERATURE DYNAMIC INSTALLATION    | -40°C / +80°C                    |
| TRAVEL SPEED                                | Up to 240 m/min                  |
| ACCELERATION/DECELERATION                   | Up to 30 m/sec <sup>2</sup>      |
| CABLE LENGTH INSIDE CHAIN                   | Up to 15 m                       |
| CHAIN LENGTH NOTES                          | (horizontal only)                |
| GUARANTEED CYCLES                           | Up to 5 Mio                      |
| TORSIONS                                    | Contact our technical department |

|       |   |
|-------|---|
| NOTES | The given data are meant to be restricted to the type of reference installation. For fixed installation is meant to be without any mechanical stress. For application in dynamic installation with very low temperatures, contact our technical department. |
|-------|---|

## APPROVALS AND STANDARDS

|                           |  |
|---------------------------|--|
| REFERENCE STANDARDS       | 1581, UL 758(UL); C22.2 n° 210(CSA)  |
| UL CSA APPROVALS          | RU E244280 AWM STYLE 20234 80°C 1000V CSA<br>E244280 AWM I/II A/B 80°C 1000V |
| FIRE BEHAVIOUR            | VW-1(UL); FT1(CSA); IEC 60332-1-2(EU) HALOGEN FREE:<br>IEC 60754-1(EU)       |
| INDUSTRIAL OIL RESISTANCE | 1581(UL); IEC 60811-404(EU); CEI EN 50363-10-2(EU);<br>IRM 902               |
| HALOGEN FREE              | SI   |
| UV RESISTANCE             | UV RESISTANT   |

## CUSTOMS CODE

|                       |          |
|-----------------------|----------|
| CUSTOMS-TARIFF NUMBER | 85444999 |
| MADE IN               | IT       |

## REVISION

|        |          |
|--------|----------|
| DATE   | 30032018 |
| NUMBER | 002      |

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TE.CO. reserves the right to make some modifications to the products notwithstanding the basic technical characteristics. Unless otherwise stated, all indicated data are nominal. RAL colour is stated only as reference. TE.CO. Tecnologia Commerciale S.p.A. - Via Achille Grandi, 1 - 40013 Castel Maggiore (Bologna - Italia) - Tel +39 051 6047311 Web: [www.tecoit.com](http://www.tecoit.com) - E-mail: [sales@tecoit.com](mailto:sales@tecoit.com) - Reg. Impr. Bologna e Codice Fiscale 03163100377 - P.IVA IT 01636081208. Subject to management and coordination activities handled by Pronos S.r.l.. All rights are reserved. The reproduction of any part of this document is not allowed without the written authorization of TE.CO. Tecnologia Commerciale S.p.A..