



TECHNICAL DATA SHEET

part number cable family

27078 O.R. PMXX®

FORMATION: 18G0,5

18GAWG21

INSTALLATION TYPE: CABLE FOR DYNAMIC INSTALLATION ON DRAG CHAIN

CATEGORY: MULTI CORE POWER or CONTROL CABLE

STANDARD/APPROVAL: CE/UL/CSA

SHIELDING: UNSHIELDED



GROUP // 18G0,5

CONDUCTOR

| | |
|--------------------|---|
| MATERIAL | Bare copper |
| CAPILLARY DIAMETER | - Extra-flexible (DIN VDE 0295, IEC 60228 or CEI 20-29) |
| CONDUCTORS NUMBER | 18 |
| RATED SECTION | 0,5 mm ² |

INSULATION

| | |
|----------|---|
| MATERIAL | Polyolefin |
| COLOUR | Black conductors with numbers from 1 to 17 + Green/Yellow. |

TAPING

| | |
|------------|----------------------------------|
| ON MAKE-UP | Between the two conductors rings |
| MATERIAL | Non-woven tape |

TOTAL ASSEMBLY MAKE-UP

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 - E-mail: 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..

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) | 10.4±0.4 |

MARKING

| | |
|----------------|---|
| METRIC MARKING | P/N 27078 TE.CO. E244280 - Fxx - cRUus - AWM STYLE 20233 80°C 300V - AWM I/II A/B 80°C 300V FT1 - 18GAWG21 - O.R. PMXX® 18G0,5 - 450/750V - IEC 60332-1-2 - year/week - DESINA® - CE meter indication |
|----------------|---|

ELECTRICAL FEATURES

| | |
|-----------------|--------|
| WORKING VOLTAGE | 300 V |
| TEST VOLTAGE | 2000 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 ² |
| 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 20233 80°C 300V CSA E244280 AWM I/II A/B 80°C 300V |
| FIRE BEHAVIOUR | FT1(CSA); IEC 60332-1-2(EU) HALOGEN FREE: IEC 60754-1(EU) |
| INDUSTRIAL OIL RESISTANCE | 1581(UL); IEC 60811-404(EU); CEI EN 50363-10-2(EU); IRM 902 |
| HALOGEN FREE | SI |
| UV RESISTANCE | UV RESISTANT |

CUSTOMS CODE

| | |
|-----------------------|----------|
| CUSTOMS-TARIFF NUMBER | 85444995 |
| MADE IN | IT |

REVISION

| | |
|--------|----------|
| DATE | 30032018 |
| NUMBER | 008 |

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