



# TECHNICAL DATA SHEET

part number      cable family

## 27081 O.R. PMXX®

**FORMATION:** 25G1,5

25GAWG16

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

**CATEGORY:** MULTI CORE

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

**SHIELDING:** UNSHIELDED



## GROUP // 25G1,5

### CONDUCTOR

MATERIAL	Bare copper
CAPILLARY DIAMETER	- Extra-flexible (DIN VDE 0295, IEC 60228 or CEI 20-29)
CONDUCTORS NUMBER	25
RATED SECTION	1,5 mm <sup>2</sup>

### INSULATION

MATERIAL	Polyolefin
COLOUR	Black conductors with numbers from 1 to 24 + Green/Yellow.

### TAPING

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

## TOTAL ASSEMBLY MAKE-UP

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## 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)	19.6±0.45

## MARKING

METRIC MARKING	P/N 27081 TE.CO. E244280 - Fxx - cRUus - AWM STYLE 20234 80°C 1000V VW-1 - AWM I/II A/B 80°C 1000V FT1 - 25GAWG16 - "FLEXING" - O.R. PMXX® 25G1,5 - IEC 60332-1-2 - year/week - DESINA® - CE meter indication
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## 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 E244280 AWM I/II A/B 80°C 1000V
FIRE BEHAVIOUR	VW-1(UL); 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	85444999
MADE IN	IT

## REVISION

DATE	30032018
NUMBER	009

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