



**Product:** [70010PU](#) 

4C 22AWG, PO Ins, Double Shielded, TPE inner Jkt, TPU Outer Jkt, PROFINET TYPE R Cable

## Product Description

4 Conductors 22 AWG, PO Insulation, Double Shielded, TPE Inner Jacket, TPU Outer Jacket, PROFINET TYPE R Cable

## Technical Specifications

### Product Overview

Suitable Applications:	High Flex applications
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### Construction Details

#### Conductor

Size	Stranding	Material
22 AWG	Stranded	TC - Tinned Copper

#### Insulation

Material	Nom. Insulation Diameter	Color Code
PO - Polyolefin	1.4 mm (0.055 in)	White & Yellow & Blue & Orange

#### Inner Jacket

Material
TPE - Thermoplastic Elastomer

#### Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	90%
Braid	Tinned Copper (TC)	

#### Outer Jacket

Material	Nom. Diameter
PUR - Polyurethane	7.1 mm (0.28 in)

### Electrical Characteristics

#### Electricals

Max. Conductor DCR	Nom. Characteristic Impedance
59.4 Ohm/km	100 Ohm

#### Delay

Max. Delay Skew
20 ns/100m

### Mechanical Characteristics

#### Temperature

Operating
-20°C To +80°C

## Standards and Compliance

Environmental Suitability:	Indoor, Indoor, Oil Resistance
AWM Compliance:	AWM 20549
Data Category:	Category 5e
ISO/IEC Compliance:	IEC 61156-2, ISO/IEC 11801-1, IEC 61156-6
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = HCl + HBr : According to EN60754-1 : ≤0.5 %, HF : According to EN 60684-2 : ≤0.1 %

## History

Update and Revision:	Revision Number: 0.24 Revision Date: 07-05-2024
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