

FEATURES

- Manufactured from PTFE
- Highly flame retardant
- Exceptional chemical resistance
- Excellent insulation and abrasion resistance
- Wide operating temperature range of -65°C to 260°C
- Available in a range of sizes

RS PRO PTFE Clear Protective Sleeving, 3.05mm Diameter

RS Stock No.: 178-9506



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This range of protective cable sleeves from our trusted and reliable own brand RS PRO are manufactured from PTFE (Polytetrafluoroethylene), offering excellent insulation and mechanical protection of cables in a wide range of applications. This range of PTFE protective cable sleeves from RS PRO also feature a wide temperature range, making them perfect for use in high temperature environments. Furthermore, these versatile cable protective sleeves also offer enhanced protection for cables in highly chemical and corrosive environments, as well as preventing contamination.

General Specifications

Material	PTFE
Colour	Clear
Fire Behaviour	Flame retardant
Applications	HVAC, Manufacturing, Distribution, Food processing

Mechanical Specifications

Sleeve Diameter	3.05mm
Wall Thickness	0.38mm

Property	Typical Value
Dielectric Strength	45kV/mm
Tensile Strength	25MPa
Elongation at Break	300%
Hardness	59~63 D
Water absorption	<0.01

Operation Environment Specifications

Operating Temperature Range	-65°C to 260°C
Minimum Operating Temperature	-65°C
Maximum Operating Temperature	260°C

Approvals

Compliance/Certifications	RoHS
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Product Dimensions

RS Part Number	I.D.	W.T.
1789508	0.71mm+/-0.15mm	0.25mm+/-0.05mm
1789509	0.89mm+/-0.15mm	0.3mm+/-0.05mm
1789507	1.01mm+/-0.15mm	0.3mm+/-0.05mm
1789505	1.27mm+/-0.15mm	0.3mm+/-0.05mm
1789504	1.91mm+/-0.15mm	0.3mm+/-0.05mm
1789506	3.05mm+/-0.2mm	0.38mm+/-0.05mm

Technical Data

Property	Typical Value
Density	2.10~2.30
Tensile strength	≥25 MPA
Tensile yield strength	≥11 MPA
Elongation	≥300%
Arc resistance	> 300
Hardness	59~63 D
Melting Point	327°C
Oxygen index	> 90
Water absorption (×105°C) 21~100	< 0.01
coefficient of linear expansion	10
Dielectric strength	≥45 KV/mm
Volume resistivity	1×10 ¹⁸ Ω.cm