

TECHNICAL DATA

SOLDERABLE NYL-155

Enamelled Copper Wire

DESCRIPTION

Solderable NYL-155 consists of round copper wire insulated with a base coat of high temperature solderable polyurethane enamel with a polyamide (Nylon) top coat.

Solderable NYL-155 wires are ideally suited for applications where connection without stripping the enamel is necessary, whilst the polyamide top coat ensures good sliding properties for high-speed winding applications.

APPLICATIONS

Solderable NYL-155 finds use as a winding wire in a wide range of rotating and static electrical equipment, including:

- Automatic windings → Transformers → Relays
- Micro Motors → Domestic Appliance Motors → Automotive windings

Temperature class	155°C
Enamel type (Base coat)	Polyurethane
Diameters	0.040 - 2.000mm
Grades	G1, G2
Colours	Natural (Others on request)
Breakdown voltage	1.5 x IEC value
Heat shock	>175°C
Solderability	> 390°C for 2 seconds
Cut through	≥ 220°C
Chemical resistance	Good
Methods of test	IEC 60851
Standards & Certifications (Enamel)	IEC 60317-21 NEMA/ANSI type MW 80C
Standards (Dimensions & Tolerances)	IEC 60317-0-1
Standards (Packaging)	IEC 60264
RoHS compliant	Yes
REACH SVHC concentration	0%

OPTIONS

Solderable NYL-155 can be produced without the Polyamide (Nylon) over coat

This product is designated Solderable F-155 and is produced to IEC 60317-20 and NEMA/ANSI MW 79C.

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