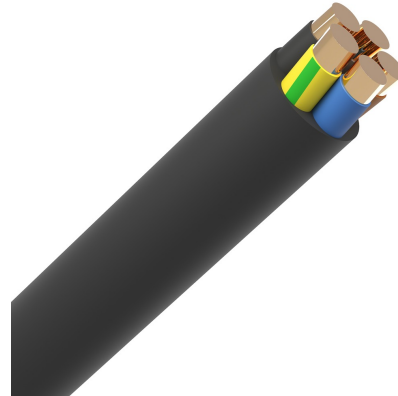


Rubber Cable EN 50525-1

Rubber cable for flexible power and industrial connection

Rubber Cable EN 50525-1 is prepared for preliminary product selection and quotation review. This product is used where flexibility, movement, abrasion resistance and outdoor or industrial operating conditions are part of the cable selection.



VOLTAGE

300/500V, 450/750V

CONDUCTOR

Flexible copper conductor route, according to product standard

TYPICAL USE

Portable equipment

STANDARDS

EN 50525-1; EN 50525-2-21;
IEC 60228; EN 60332-1-2

DATA SCOPE

1 technical table(s) included
for preliminary selection

SELECTION NOTE

Confirm voltage, flexibility,
sheath material, oil/weather
resistance and standard.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Portable equipment
- construction sites
- welding machines
- industrial power connection
- flexible supply routes exposed to movement or mechanical stress.

Selection logic

- Confirm voltage grade, conductor size, flexibility requirement, sheath material, oil/weather resistance and applicable standard.

Construction Overview

Item	Website-ready content
Product route	Flexible copper conductor with rubber insulation and outer sheath according to the selected product type.
Voltage	300/500V, 450/750V
Conductor	Flexible copper conductor route, according to product standard
Standards	EN 50525-1; EN 50525-2-21; IEC 60228; EN 60332-1-2
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
Harmonized Flexible Rubber - 450/750V (e.g. H07RN-F)	3 G 1.5 - 5 G 25	3 G 1.5 - 5 G 25	See table	13.3 - 0.780

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

Harmonized Flexible Rubber - 450/750V (e.g. H07RN-F)

Reference table for preliminary selection and quotation review.

No. of Cores x Cross Section (mm ²)	Nominal Insulation Thick. (mm)	Nominal Outer Dia. (mm)	Approx. Weight (kg/km)	Current Rating @ 30°C (Amps)	Max. Cond. Resistance (Ω/km)
Harmonized Flexible Rubber - 450/750V (e.g. H07RN-F)					
3 G 1.5	0.8	11.2	190	18	13.3
3 G 2.5	0.9	13.2	275	26	7.98
4 G 2.5	0.9	14.5	340	26	7.98
4 G 4.0	1.0	17.0	485	34	4.95
4 G 6.0	1.0	19.5	650	44	3.30
4 G 10	1.2	24.5	1050	61	1.91
5 G 16	1.2	31.5	1850	82	1.21
5 G 25	1.4	38.5	2750	108	0.780