



TWIN CORD END FERRULES

TECHNICAL DATA

Conductive Material (except Quick Connect Range)

Copper	99.9% pure
Tensile Strength	200 MPa
Ductile Rating	35%
Final Metal State	Part of the product annealed
Oxygen Content	50ppm max

Conductive Material (Quick Connect Range)

Brass	30% Zinc 70% Copper
Tensile Strength	580 MPa
Ductile Rating	6% min
Final Metal State	Part of the product annealed

Electroplating

Material	Tin
Tin Content	99.90%
Other Metals	Lead + Antimony
Plating Thickness	1.5 microns

General Electrical Properties

Total Conductivity	98.5% IACS
Total Resistivity	1.738 micro-ohm cm

For this product, please contact:

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All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application.

Insulation

Material	PVC for all except nylon 6 or nylon 66 - for IQC
Breakdown voltage	1.5kV (min)
Insulation resistance	Above 100 meg ohms
Working voltage	Up to 300V AC/DC

Working Temperature

Pre-Insulate	-40°C to +105°C
Brass	145°C
Tin plated	160°C

Torque Recommendations

For hardware being metric 8.8 tensile grade.

Thread dia (mm)	Torque (Nm)
3	2
4	3
5	5
6	9
8	22
10	44
12	77

Nominal Pull Out Force

Wire size (mm²)	Pull out force kg (N)
0.25	4.6 (45)
0.5	6.0 (59)
0.75	8.6 (84)
1	10.1 (100)
1.5	13.2 (130)
2.5	19.6 (192)
4	26.5 (260)
6	35.2 (345)

* Different tools can lead to data changes

Nominal Current Ratings

Terminal colour	Red	Blue	Black	Yellow
Conductor Range (mm ²)	0.5-1.6	1.0-2.6	2.5-4	2.5-6.0
Ring Terminal	24A	32A	37A	48A
Forked Spade	18A	24A	30A	36A
Pin Connector	12A	16A	20A	24A
Lip/Flat Blade	24A	32A	37A	48A
Bullet	12A	16A	/	24A
In Line Splice	24A	32A	/	48A
Quick Connector	24A	32A	/	48A
End Connector	24A	32A	/	48A

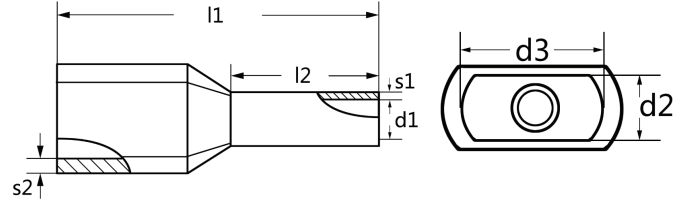
* These ratings are a notional suggestions and cover most situations. It assumes defect-free workmanship, natural ambient conditions.

Stripping Lengths

Terminal colour	Red	Blue	Black	Yellow
Conductor Range (mm ²)	0.5-1.6	1.0-2.6	2.5-4	2.5-6.0
Strip Length for Terminals	4-5mm	5-6mm	5-6mm	6-7mm
Strip Length for in Line Splice	7-8mm	7-8mm	7-8mm	7-8mm

* In general, the wire should protrude 1mm out of the front of the terminal

Twin Cord end Ferrules



Cross section (mm²)	Item No.	Dimensions (mm)								French color	German color	DIN Color
		l1	l2	s1	s2	d1	d2	d3	A.W.G			
2×0.5mm²	NX-205008F	15	8	0.15	0.3	1.5	2.8	4.9	2×#22	WHITE	ORANGE	WHITE
2×0.75mm²	NX-207508F	15	8	0.15	0.3	1.8	2.9	5.2	2×#20	BLUE	WHITE	GREY
2×1.0mm²	NX-210008F	16	8	0.15	0.3	2	3.5	5.7	2×#18	RED	YELLOW	RED
2×1.5mm²	NX-215008F	15.5	8	0.15	0.4	2.3	3.9	6.5	2×#16	BLACK	RED	BLACK
2×2.5mm²	NX-225010F	18	10	0.2	0.4	2.9	4.6	8	2×#14	GREY	BLUE	BLUE
2×4mm²	NX-240012F	23	12	0.2	0.5	3.8	4.9	8.8	2×#12	ORANGE	GREY	GREY
2×6mm²	NX-260014F	26	14	0.2	0.5	4.9	6.3	9.3	2×#10	GREEN	BLACK	YELLOW
2×10mm²	NX-210014F	26.5	14	0.2	0.5	6.5	7.9	12.8	2×#8	BROWN	IVORY	RED
2×16mm²	NX-216014F	32	14	0.2	0.6	8.3	11.6	19.3	2×#6	WHITE	GREEN	BLUE

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