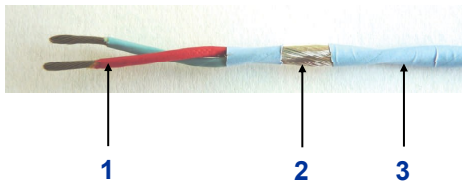


MNA/MNB/MNC/MND-Series

Shielded & Jacketed, Light-Weight, Single & Multicore,
High-Performance Hook-Up Cables, 200°C

Cable Design

EN 2713-012A/012B/012C/012D



- not to scale -

- | | |
|-----------------------|---|
| 1: Cores: | EN2267-009—DRA, not UV-markable
Refer to EN2267-010 for dimensions |
| 2: Helicoidal Screen: | Silver-plated Copper (>90% Coverage) |
| 3: Jacket: | Polyimide Tape, Fluoropolymer Top Coat
UV-Laser markable |

Designed for aerospace and other applications requiring excellent thermal stability and light weight.

Characteristics

Physical & Environmental

- Operating Temperature: - 55°C to + 200°C
- Positively non-flammable
- High resistance to aircraft fluids
- Very low toxicity and smoke emission
- Jacket suitable for UV-Laser marking
- Arc-Tracking Resistant

Electrical:

- Maximum Operating Voltage: 115V (phase to neutral) or 200 V (phase to phase)
AC electrical system of aircrafts
- Linear Resistance: See Table on Reverse

Mechanical:

- Jacket reinforcing the mechanical and electrical protection of the screen
- Minimum Bend Radius:
 - Static (fixed installation): 6 x Outer Diameter
 - Dynamic use: 10 x Outer Diameter
- Weight: See Table on Reverse
- Dimensions: See Table on Reverse

Standards/Specifications

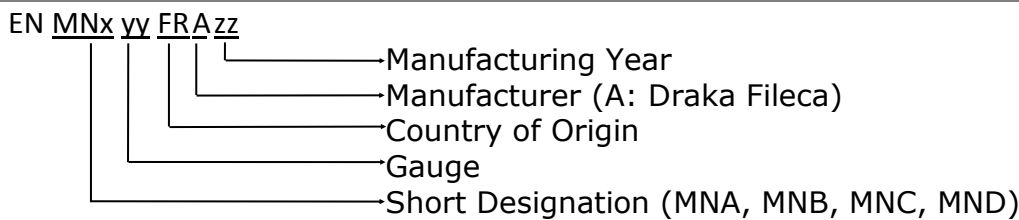
- Conductors: According to EN2267-009
- Cable: According to EN2273-012
- Compliant to ABD0031: Flammability, Smoke and Toxicity requirements and
14 CFR FAR25-1713

Identification

- 1 Core: White, except Gauge 22 Light Green and Gauge 26 Light Yellow
- 2 Cores: Red, Blue
- 3 Cores: Red, Blue, Yellow
- 4 Cores: Red, Blue, Yellow, Green

- Jacket: Light Blue for Gauges 24-20-16, White for the other Gauges

Marking



Technical Data

Short Designation	EN Reference	Number of Cores	Nominal Cross Section mm ²	AWG *	Linear Resistance (at 20°C)		Maximum Linear Resistance at 20°C		Maximum Outer Diameter		Maximum Weight	
					Ω/km	Ω/1000ft	mm	inch	mm	inch	kg/km	Lbs / 1000ft
MNA26	EN2713-012A001F	1	0.15	26	160.0	48.77	0.08	0.0031	1.23	0.0484	4.45	2.990
MNA24	EN2713-012A002F	1	0.25	24	114.0	34.75	0.08	0.0031	1.35	0.0531	5.30	3.562
MNA22	EN2713-012A041F	1	0.40	22	60.0	18.29	0.08	0.0031	1.49	0.0587	7.16	4.812
MNA20	EN2713-012A006F	1	0.60	20	33.2	10.12	0.08	0.0031	1.73	0.0681	10.53	7.076
MNA18	EN2713-012A010F	1	1	18	21.1	6.43	0.08	0.0031	2.00	0.0787	14.90	10.013
MNA16	EN2713-012A012F	1	1.2	16	14.5	4.42	0.1	0.0039	2.35	0.0925	20.82	13.991
MNA14	EN2713-012A020F	1	2	14	10.9	3.32	0.1	0.0039	2.63	0.1038	26.54	17.835
MNA12	EN2713-012A030F	1	3	12	6.8	2.07	0.1	0.0039	3.13	0.1232	39.75	26.712
MNA10	EN2713-012A050F	1	5	10	4.1	1.25	0.1	0.0039	3.76	0.1480	60.05	40.354

* Closest American Wire Gauge

Technical Data

Short Designation	EN Reference	Number of Cores	Nominal Cross Section mm ²	AWG *	Maximum Linear Resistance (at 20°C)		Screen Strands Nom. Diameter		Maximum Outer Diameter		Maximum Weight	
					Ω/km	Ω/1000ft	mm	inch	mm	inch	kg/km	Lbs / 1000ft
MNB26	EN2713-012B001F	2	0.15	26	165	50.29	0.08	0.0031	2.07	0.0815	7.96	5.349
MNB24	EN2713-012B002F	2	0.25	24	117	35.66	0.08	0.0031	2.31	0.0909	9.61	6.458
MNB22	EN2713-012B041F	2	0.40	22	61.7	18.81	0.08	0.0031	2.59	0.1020	13.28	8.924
MNB20	EN2713-012B006F	2	0.60	20	34.10	10.39	0.1	0.0039	3.14	0.1236	20.96	14.085
MNB18	EN2713-012B010F	2	1	18	21.7	6.61	0.1	0.0039	3.65	0.1437	29.71	19.965
MNB16	EN2713-012B012F	2	1.2	16	14.9	4.54	0.12	0.0047	4.31	0.1697	41.29	27.747
MNB14	EN2713-012C020F	2	2	14	11.2	3.41	0.12	0.0047	4.87	0.1921	53.08	35.670
MNC26	EN2713-012C001F	3	0.15	26	165	50.29	0.08	0.0031	2.20	0.0866	10.75	7.224
MNC24	EN2713-012C002F	3	0.25	24	117	35.66	0.08	0.0031	2.45	0.0965	13.17	8.850
MNC22	EN2713-012C041F	3	0.40	22	61.7	18.81	0.08	0.0031	2.76	0.1087	18.36	12.338
MNC20	EN2713-012C006F	3	0.60	20	34.10	10.39	0.1	0.0039	3.35	0.1319	29.27	19.669
MNC18	EN2713-012C010F	3	1	18	21.7	6.61	0.1	0.0039	3.89	0.1531	42.02	28.237
MNC16	EN2713-012C012F	3	1.2	16	14.9	4.54	0.12	0.0047	4.60	0.1811	58.47	39.292
MNC14	EN2713-012C020F	3	2	14	11.2	3.41	0.15	0.0059	5.26	0.2072	78.63	52.839
MNC12	EN2713-012C030F	3	3	12	6.99	2.13	0.15	0.0059	6.34	0.2496	118.54	79.659
MND26	EN2713-012D001F	4	0.15	26	165	50.29	0.08	0.0031	2.41	0.0949	13.54	9.099
MND24	EN2713-012D002F	4	0.25	24	117	35.66	0.08	0.0031	2.70	0.1063	16.67	11.202
MND22	EN2713-012D041F	4	0.40	22	61.7	18.81	0.1	0.0039	3.08	0.1213	24.55	16.498
MND20	EN2713-012D006F	4	0.60	20	34.10	10.39	0.1	0.0039	3.70	0.1457	37.59	25.260
MND18	EN2713-012D010F	4	1	18	21.7	6.61	0.12	0.0047	4.35	0.1713	55.87	37.545
MND16	EN2713-012D012F	4	1.2	16	14.9	4.54	0.12	0.0047	5.10	0.2008	75.54	50.763
MND14	EN2713-012D020F	4	2	14	11.2	3.41	0.12	0.0047	5.83	0.2295	101.75	68.376

* Closest American Wire Gauge