

Protective Sleeving

RAYBRAID®

Tinned Copper or Nickel tubular braid
Electromagnetic Shielding

Electromagnetic Shielding and Screening

Raybraid® 90 has a minimum of 90% optical coverage and is available in a wide range of sizes to cover 2mm to 36mm diameters.

Raybraid® 101 and 103 have a minimum of 93% and maximum 100% optical coverage and is available in a wide range of sizes to cover 2.5mm to 38mm diameters.

Standard Raybraid 90 and 101 are tinned copper and Raybraid 103 is nickel plated copper for high temperature applications. Raybraid 101 and 103 are also fully compatible with Tinel-Lock® adaptors for termination of the braid to connectors and backshells.

Raybraid is supplied on a round tube former which facilitates assembly and is more robust than braid supplied in flattened form.

* Raybraid & Tinel-Lock brands are registered trademarks of Tyco Electronics

Features & Benefits

- Screening military harnesses
- Minimum 90% optical coverage
- 101 and 103 Super flexible
- Good expansion ratio
- Supplied on plastic former to maintain round profile and is more robust than braid supplied in flattened form

Operating Temperature

- Raybraid 90 & 101 up to 150°C
- Raybraid 103 above 150°C



Raybraid 90 (Tinned Copper Braid)

- Minimum 90% optical coverage.
- Available in a wide range of sizes to cover 2.0mm to 36.0mm diameters.

Raybraid 101 (Tinned Copper Braid)

- Minimum 93% maximum optical coverage, with very usable expansion ratio.
- Available in a wide range of sizes to cover 2.5mm to 38mm diameters.
- Fully compatible with Tinel-Lock adaptors for termination of the braid to associated connectors.

Raybraid 103 (Nickel Copper Braid)

- Minimum 93% maximum optical coverage, with very usable expansion ratio.
- Available in a wide range of sizes to cover 2.5mm to 38mm diameters.
- Fully compatible with Tinel-Lock adaptors for termination of the braid to associated connectors.

Notes

For applications that require a limited wire shielding tape which can be wound around a cable for installation and repair, we offer 000W280. Supplied in 4.5m rolls, width 20mm, material tinned copper. For further information on this or other products in our range, or for assistance with your specific requirements, please contact us.

All numeric data shows average or typical values.



Raybraid 90

Diameter of former	No. of Carriers	Ends per Carrier	Strand Size	Cable Bundle		Pack Size	Part Number
				Min(mm)	Max (mm)		
mm			AWG/mm			m	
3.0 (±0.13)	16	5	36/0.13	2.0	3.5	100	RAY-90-3.0
4.0 (±0.25)	16	7	36/0.13	3.0	5.0	100	RAY-90-4.0
5.0 (±0.25)	24	6	36/0.13	4.0	6.0	100	RAY-90-5.0
6.0 (±0.25)	24	7	36/0.13	5.0	7.0	100	RAY-90-6.0
10.0 (±0.25)	24	9	34/0.16	7.0	12.0	100	RAY-90-10.0
12.5 (±0.25)	24	10	34/0.16	11.0	13.0	100	RAY-90-12.5
15.0 (±0.38)	24	11	32/0.20	13.0	18.0	50	RAY-90-15.0
20.0 (±0.38)	36	7	32/0.20	17.0	23.0	50	RAY-90-20.0
25.0 (±0.38)	36	9	30/0.25	22.0	28.0	50	RAY-90-25.0
30.0 (±0.38)	36	9	28/0.32	27.0	36.0	50	RAY-90-30.0

Raybraid 101 and 103

Diameter of former	No. of Carriers	Ends per Carrier	Strand Size	Cable Bundle		Pack Size	Part Number
				Min(mm)	Max (mm)		
mm			AWG/mm			m	
3.0 (±0.13)	16	10	38/0.10	2.5	5.0	100	RAY-10X-3.0
4.0 (±0.25)	24	7	36/0.13	3.5	7.5	100	RAY-10X-4.0
6.0 (±0.25)	24	9	36/0.13	4.5	9.5	100	RAY-10X-6.0
7.5 (±0.25)	24	14	36/0.13	7.0	14.0	100	RAY-10X-7.5
10.0 (±0.25)	36	12	36/0.13	8.0	22.0	100	RAY-10X-10.0
12.5 (±0.25)	36	15	36/0.13	11.0	24.0	100	RAY-10X-12.5
20.0 (±0.38)	48	16	36/0.13	16.0	38.0	50	RAY-10X-20.0

When X = Should be replaced with type of braid required i.e. RAY-101 or RAY-103

Part Number Example; RAY-103-7.5

Nickel plated copper braid supplied 7.5mm nominal inside Ø, supplied in 100m spools as standard.

Ordering Information

Standard Material:

Tinned or Nickel copper braid

Standard packaging:

Spools only, for MOQ please contact us