

- Screening for military harnesses
- Easy removal from former
- 90% minimum optical coverage
- Ray 101 and Ray 103 super flexible with high expansion ratios

RayBraid

Tubular braiding for the electrical screening of wire bundles

To ease the assembly of hand built harnesses, Raychem manufacture a range of braids for the electrical screening of wire bundles. Raybraid is supplied on a tube former which facilitates assembly and is more robust than braid supplied in flattened form.

Ray 90

Minimum 90% optical coverage available in 10 different sizes from 3.0 to 30.0 mm supplied diameter.

Ray 101 and Ray 103 (super flexible)

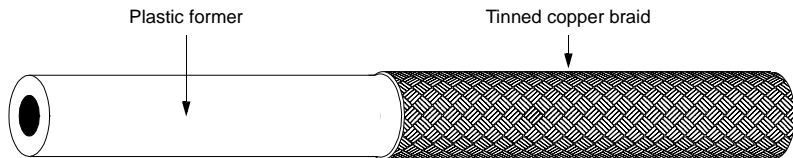
Minimum 93% maximum 100% optical coverage possess high usable expansion ratio (minimum 2:1). Available in a wide range of sizes to cover 2.5 to 38.0 mm diameters.

Standard Ray 90 is offered in tinned copper but alternative finishes are available. Ray 101 is tinned copper, Ray 103 is nickel plated copper for high temperature applications.

Ray 101 and Ray 103 are also fully compatible with Tinel Lock adaptors for termination of the braid to associated connectors.

For further information consult the integrated harness systems guide. Raychem also supplies a range of SolderSleeve connectors suitable for braid terminations.

Ordering information



Part number	Diameter of former (mm)	Diameter of former (mm)	No. of carriers	Tinned Copper Wire				
				No. of ends per carrier	Individual strand size (AWG/mm)	Minimum coverage %	Cable bundle tolerance Max. (mm) Min. (mm)	
Ray 90	-3.0	3.0 ± 0.13	16	5	36/0.13	90	3.5	2.0
	-4.0	4.0 ± 0.25	16	7	36/0.13	90	5.0	3.0
	-5.0	5.0 ± 0.25	24	6	36/0.13	90	6.0	4.0
	-6.0	6.0 ± 0.25	24	7	36/0.13	90	7.0	5.0
	-10.0	10.0 ± 0.25	24	9	34/0.16	90	12.0	7.0
	-12.5	12.5 ± 0.25	24	10	34/0.16	90	13.0	11.0
	-15.0	15.0 ± 0.38	24	11	32/0.20	90	18.0	13.0
	-20.0	20.0 ± 0.38	36	7	30/0.25	90	23.0	17.0
	-25.0	25.0 ± 0.38	36	9	30/0.25	90	28.0	22.0
	-30.0	30.0 ± 0.38	36	9	28/0.32	90	36.0	27.0
Ray 10X	-3.0	3.0 ± 0.13	16	10	38/0.10	93	5.0	2.5
	-4.0	4.0 ± 0.25	24	7	36/0.13	93	7.5	3.5
	-6.0	6.0 ± 0.25	24	9	36/0.13	93	9.5	4.5
	-7.5	7.5 ± 0.25	24	14	36/0.13	93	14.0	7.0
	-10.0	10.0 ± 0.25	36	12	36/0.13	93	22.0	8.0
	-12.5	12.5 ± 0.25	36	15	36/0.13	93	24.0	11.0
	-20.0	20.0 ± 0.38	48	16	36/0.13	93	38.0	16.0

The X in the part number shall be replaced with the plating type.

ie. Ray 101 = Tin plated copper

Ray 103 = Nickel plated copper

Ray 90 = Tin plated copper only

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