

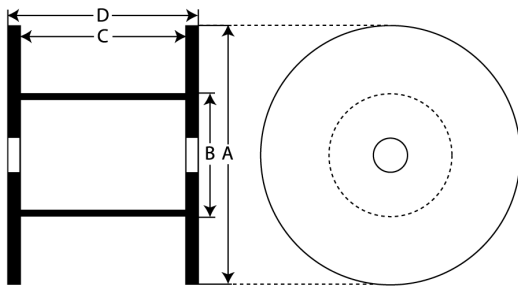
Guidelines for respooling of Optical Fibre Cables

Main guidelines for respooling

- When respooling optical fibre cables it is vitally important not to exceed the specified values set for pulling tension and bending radii. A safe rule for the barrel diameter is 40xOD.
- Avoid abrupt starts and stops (tensile load may not be exceeded)
- Take care for a regular pattern. Avoid crossings of the cable.
- It is advisable to use a large pair of scissors (sheers) to cut the cable.
- It is required to transport reels in vertical position (not laying on a flange). Reels smaller than Ø 600 mm (flange) can also be transported horizontally if the cable windings are properly “fixed”, for instance with a plastic foil.

If necessary check the fibres with an adequate light source.
For the attenuation figures, the test report of the original reel can be copied.

Reel codes and dimensions



Belden Reel code	Flange – Ø (A) (mm)	Barrel – Ø (B) (mm)	Traverse (C) (mm)	Overall width (D) (mm)	Volume (liter)	Weight (kg)
239	400	246	300	316	20	2.1
240	500	250	245	265	32	3.3
241	560	250	320	340	57	4.3
025	800	500	450	475	110	14
042	1000	500	500	530	249	18
043	1250	600	600	690	500	81
053	1400	700	800	890	890	120
103	1400	700	1050	1150	1098	145

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