

## Full Tension Line Splice



**Sub-Sets:** Individual rods (outer splice only) assembled and gritted into groups of two, three, or four, corresponding to tabular information appearing on technical data page.

**Core Splice:** Galvanized steel, sub-setted and gritted.

**Filler Rods:** Aluminium alloy, sub-setted, or single rods, not gritted. Filler Rods are not required for selected sizes corresponding to tabular information on data pages.

**Outer Splice:** Aluminium alloy, sub-setted and gritted.

**Centre Mark:** Establishes recommended alignment of rods during application.

**Colour Code and Length:** Assist in identification of conductor size, corresponding to tabular information appearing on data pages.

**Identification Tape:** Shows catalogue number, nominal sizes.

### General Recommendations

Full Tension Line Splice is designed as a three component assembly.



The Core Splice is applied after removal of the aluminium strands down to the steel core.



Filler rods, when required, are applied over the Core Splice to re-establish the original outside diameter of the conductor.



The Outer Splice is identical in design to the conductor Splice (previous section) except for the added length to compensate for removal of the aluminium strands.

**Joining:** This splice will hold the full rated breaking strength of, and provide better conductivity than, an equal length of unspliced ACSR.

**Restorative-Repair:** Full Tension Splice will restore original conductivity and full rated breaking strength to ACSR conductor. This splice is recommended when damage to the core itself is suspected, or when joining ACSR.

Other PREFORMED™ products with restorative-repair capabilities are Armor Rods, Line Guards, and ARMOR-GRIP® Suspension: for Line Repair.

**Rated Holding Strength:** In arriving at "Rated Holding Strength," actual results of tests on unweathered conductors are studied, and consideration is given to dimensional tolerances for the sizes encompassed.

**Wire Brushing:** All conductors, new or weathered, MUST be thoroughly wire brushed before the fitting is applied.

**Inhibitors:** All conductors, new or weathered, MUST be coated with a quality inhibitor along the area where the fitting is to be applied.

**Catalogue No.:** ALSFT (Aluminium)

# Aluminium Alloy Full Tension Splices

RIGHT HAND LAY STANDARD.

CATALOGUE NO. ALSFT	CONDUCTOR CODE	DIAMETER (mm)	COLOUR CODE	CORE STEEL	RODS PER SET FILLER ALUM.	RODS PER SET	SETS PER PACK	APPROX PACK MASS (kg)	LENGTH OF FITTING (mm)	OUTER ROD WIRE DIA. (mm)
249	SQUIRREL	6,33	ORANGE	2-2	None	3-3-3	40	8	890	2,34
306	WEASEL	7,8	BROWN	2-3	None	5-5	30	9	1065	2,65
330	FOX	8,4	BLUE	2-3	None	3-3-4	30	9	1195	2,65
354	FERRET	9,0	GREEN	2-3	None	3-4-4	20	8	1295	2,65
396	RABBIT	10,0	YELLOW	2-3-3	4-4-5	3-4-4	15	7	1320	3,25
432	MINK	11,0	RED	2-2-3	3-3-3-4	3-4-4	20	10	1320	3,25
483	RACCOON	12,3	ORANGE	2-3-3	3-4-4	3-3-4	15	10	1525	4,06
510	SKUNK	13,0	BLACK	5-5	None	4-4-4	10	10	1805	3,66
58	HARE/DOG	14,2	BROWN	2-3-3	3-4-4	3-4-4	10	10	1650	4,06
574	HYENA	14,6	BLUE	5-5	3-3-4-4	3-4-4	10	13	1805	4,47
624	LEOPARD	15,8	ORANGE	3-3-3	3-3-4	3-4-4	10	15	1905	4,88
651	TIGER	16,5	RED	5-5	4-4-4-4	3-3-4	5	11	2415	5,18
714	WOLF	19,1	WHITE	3-3-4	5-5-6	3-3-4	5	15	2665	5,89
770	LYNX	19,5	YELLOW	3-3-4	4-4-4-5	3-4-4	5	15	2820	5,89
826	PANTHER	21,0	BROWN	3-3-4	4-4-4-4	3-4-4	5	21	3000	6,35
875	LION	22,3	RED	4-4-4	4-4-5	3-4-4	5	21	3075	6,35
924	BEAR	23,4	ORANGE	3-4-4	3-3-4-4	3-4-4	5	21	3300	6,35
1022	GOAT	26,0	BLACK	4-4-4	4-4-5	2-3-3-3	3	21	3685	7,62
1062	BISON	27,0	RED	3-4-4	3-3-3	2-3-3-2	3	30	4090	8,23
1125	ZEBRA	28,6	YELLOW	3-4-4	2-3-3	2-3-3-3	3	32	4265	9,27
1184	CAMEL	30,2	WHITE	2-3-3	3-4-4	2-3-3-3	3	35	4570	9,27
1239	ELK	31,5	BROWN	3-3-4	3-3-4	3-3-3-3	2	26	4720	9,27
1400	DINOSAUR	35,6	WHITE	4-4-4	2-3-3	2-3-3-3	2	29	5485	9,27

