

TREFOIL INTERMEDIATE RESTRAINT (SDSSIR)

The SDSSIR intermediate restraint range are metallic restraints which have been designed, constructed, and tested in accordance with the International Standard 'Cable Cleats for Electrical Installations' IEC 61914 to ensure the securing and retention of cables, without sustaining damage to the cable(s).

The restraint has been designed and tested for short circuit conditions, within harsh environments. The SDSSIR are available for trefoil application/formation and are fabricated from 316L stainless steel giving it high creep strength whilst providing excellent corrosion resistance in the harshest of environments.

The restraint comes with liners as standard, helping to restrain the cable(s) within vertical applications, providing a layer of protection between the cable sheath and the cable cleat during normal operation, where thermal elongation of cables occur, protecting the cable from chafing on any mounting surface due to differential movements such as those found in marine and offshore applications. The liners also assist in the extra protection of cable(s) in the event of short circuit fault conditions. The standard liners supplied are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free.

FEATURES

- Third party certification to IEC 61914
- 316L stainless steel
- Operating temperature -50°C to +60°C
- Liners are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free



TECHNICAL DATA & CLASSIFICATION	
TYPE	6.1.3 Composite SDSSIR - Standard Duty Stainless Steel Intermediate Restraint
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	Standard Liner -50 to +60°C IEC 61914 clause / part 6.2
NEEDLE FLAME TEST	Pass - 120 second flame application time IEC 61914, IEC 60695-11-5
LATERAL LOAD TEST	Refer to CMP Products
AXIAL LOAD TEST	Refer to CMP Products
IMPACT RESISTANCE	Pass - Very heavy IEC 61914
MATERIAL	316L Stainless Steel Low Smoke & Fume (LSF) Liners

SELECTION TABLE					
PATRIOT PART NO.	CABLE Ø RANGE TAKE (MM)	DIMENSIONS MM			WEIGHT (g)
		W	H	D	
SDSSIR019022	19-22	81	78	54	214
SDSSIR022026	22-26	89	81	54	227
SDSSIR026030	26-30	97	84	54	238
SDSSIR030034	30-34	105	87	54	250
SDSSIR034038	34-38	112	91	54	263
SDSSIR038042	38-42	119	97	54	276
SDSSIR042046	42-46	126	101	54	289
SDSSIR046050	46-50	131	106	54	302
SDSSIR050054	50-54	139	111	54	315
SDSSIR054058	54-58	146	118	54	327
SDSSIR058062	58-62	153	126	54	341
SDSSIR062066	62-66	160	133	54	355
SDSSIR066070	66-70	167	141	54	368
SDSSIR070074	70-74	174	148	54	381
SDSSIR074078	74-78	181	156	54	394
SDSSIR078082	78-82	188	163	54	407
SDSSIR082086	82-86	195	171	54	421
SDSSIR086090	86-90	201	178	54	434
SDSSIR090094	90-94	208	186	54	447
SDSSIR094098	94-98	215	193	54	460
SDSSIR098102	98-102	222	201	54	473
SDSSIR102106	102-106	229	208	54	486
SDSSIR106110	106-110	236	215	54	499
SDSSIR110114	110-114	243	223	54	512
SDSSIR114118	114-118	250	230	54	525
SDSSIR118122	118-122	256	238	54	539
SDSSIR122126	122-126	263	246	54	552
SDSSIR126130	126-130	270	253	54	565

Coatings are available upon request by adding the following suffixes to the ordering reference - EC for epoxy coating, PC for polyester coating and TC for thermoplastic coating. Example order reference for epoxy coating suffix EC (SDSSIR066070EC)

