

PREFORMED™ Armor Rods



General Recommendations



Armor Rods are intended to protect against bending, compression, abrasion, arc-over whilst also being capable of providing a repair function. The degree of protection needed on a specific line depends upon a number of factors such as line design, temperature, tension, exposure to wind flow and vibration history on a similar construction in the same area. Armor rods are recommended as a minimum protection for clamp type supports or suspension. Armor Rods may be used to restore full conductance and strength to AAC, AAAC and ACSR conductors, except high strength ACSR, where damage does not exceed 50% damage for 7 & 19 strand conductors or 25% damage for 37 & 61 strand conductors. Preformed Armor Rods are extremely effective in relieving or suppressing conductor strains and therefore extending conductor service life.

Preformed Armor Rods are chamfered and over a certain size are ball ended to create a smooth uniformed finish to minimise corona.

SAFETY CONSIDERATIONS

- This product is intended for a single (one-time) use and for the specified application, although it may be re-applied twice for retensioning within 90 days from initial installation.
- Do not modify this product in any way.
- This product is intended for use by qualified linesmen only.
- When working in the area of energised line with this product, extra care should be taken to prevent accidental electrical contact.
- For proper performance and personal safety, be sure to select the proper size PREFORMED™ products before application.
- PREFORMED™ products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED™ Armor Rods



For AAC, AAAC and ACSR Conductors



Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
AAR-053	5.10 - 5.49	100	Purple
AAR-059	5.50 - 5.99	100	Red
AAR-063	6.00 - 6.39	75	Green
AAR-068	6.40 - 6.99	100	Brown
AAR-075	7.00 - 7.59	75	Blue
AAR-078	7.60 - 7.99	75	Orange
AAR-084	8.00 - 8.49	50	White
AAR-087	8.50 - 8.84	75	Blue
AAR-090	8.85 - 9.39	70	Red
AAR-096	9.40 - 9.89	70	Orange
AAR-102	9.90 - 10.39	44	Purple
AAR-105	10.40 - 10.89	70	Blue
AAR-113	10.90 - 11.59	45	Black
AAR-118	11.60 - 12.19	45	Orange
AAR-125	12.20 - 12.69	50	Blue
AAR-130	12.70 - 13.19	35	White
AAR-135	13.20 - 13.99	35	Green
AAR-143	14.00 - 14.89	30	Blue
AAR-157	14.90 - 15.89	30	Purple
AAR-163	15.90 - 16.64	25	Orange
AAR-169	16.65 - 17.39	20	Green
AAR-175	17.40 - 18.29	40	Blue
AAR-188	18.30 - 18.89	20	Black
AAR-192	18.90 - 19.49	20	Yellow
AAR-196	19.50 - 19.89	15	Brown
AAR-201	19.90 - 21.40	15	Red
AAR-210	20.90 - 21.79	15	Red
AAR-220	21.80 - 22.59	15	Blue
AAR-230	22.60 - 23.59	15	Blue
AAR-240	23.60 - 24.79	15	Blue



PREFORMED LINE PRODUCTS
(THAILAND) LTD.

PREFORMED™ Armor Rod Subsetted



For AAC, AAAC and ACSR Conductors - Subset



AARS Rods are subset for quick and easy installation by a linesman. Subsetting greatly reduces installation time and ensures that the correct number of armor rods are applied.

Part Number	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
AARS-053	5.10 - 5.49	100	Purple
AARS-059	5.50 - 5.99	100	Red
AARS-063	6.00 - 6.39	100	Green
AARS-068	6.40 - 6.99	100	Brown
AARS-075	7.00 - 7.59	35	Blue
AARS-078	7.60 - 7.99	75	Orange
AARS-084	8.00 - 8.49	45	White
AARS-087	8.50 - 8.84	75	Blue
AARS-090	8.85 - 9.39	20	Red
AARS-096	9.40 - 9.89	70	Orange
AARS-102	9.90 - 10.39	70	Purple
AARS-105	10.40 - 10.89	70	Blue
AARS-113	10.90 - 11.59	20	Black
AARS-118	11.60 - 12.19	45	Orange
AARS-125	12.20 - 12.69	45	Blue
AARS-130	12.70 - 13.19	35	White
AARS-135	13.20 - 13.99	20	Green
AARS-143	14.00 - 14.89	20	Blue
AARS-157	14.90 - 15.89	30	Purple
AARS-163	15.90 - 16.64	15	Orange
AARS-169	16.65 - 17.39	25	Green
AARS-175	17.40 - 18.29	20	Blue
AARS-188	18.30 - 18.89	12	Black
AARS-192	18.90 - 19.49	20	Yellow
AARS-196	19.50 - 19.89	15	Brown
AARS-201	19.90 - 21.40	15	Red
AARS-210	20.90 - 21.79	15	Red
AARS-220	21.80 - 22.59	10	Blue
AARS-230	22.60 - 23.59	10	Blue
AARS-240	23.60 - 24.79	10	Blue

PREFORMED™ Armor Rods



For Galvanised Steel Conductors SC/GZ



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
GAR-038	7/1.25	3.75	50	Green
GAR-043	3/2.00	4.31	50	Yellow
GAR-048	7/1.60	4.80	50	Black
GAR-055	3/2.75	5.93	50	White
GAR-060	7/2.00	6.00	50	Yellow
GAR-075	3/4/2.50	7.50	40	Blue
GAR-083	7/2.75	8.25	30	White
GAR-098	7/3.25	9.75	30	Blue
GAR-100	19/2.00	10.00	30	Yellow
GAR-113	7/3.75	11.30	20	Black
GAR-120	7/4.00	12.00	20	Black
GAR-138	19/2.75	13.80	10	White
GAR-163	19/3.75	16.30	10	Orange

For SC/AC Conductors Left Hand Lay Standard



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
AWAR-K023	3/2.75	5.93	30	White
AWAR-K031	3/3.25	7.00	50	Orange
AWAR-K040	3/3.75	8.00	50	Black
AWAR-K050	7/2.75	8.25	50	White
AWAR-K106	7/4.25	12.80	15	Brown
AWAR-K136	19/2.75	13.80	15	White



PREFORMED LINE PRODUCTS
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PREFORMED™ Armor Rods



For Copper Conductor



Part Number	Conductor Stranding	Conductor Diameter (mm)	Standard Pack Quantity	Colour Code
CAR-030	7/1.00	3.00	50	Black
CAR-038	7/1.25	3.75	50	Green
CAR-053	7/1.75	5.25	30	Purple
CAR-060	7/2.00	6.00	40	Yellow
CAR-083	7/2.75	8.25	25	White
CAR-088	19/1.75	8.75	25	Purple
CAR-090	7/3.00	9.00	25	Red
CAR-100	19/2.00	10.00	20	Yellow
CAR-105	7/3.50	10.50	25	Purple
CAR-118	19/0.92	11.80	25	Black
CAR-123	37/1.25	12.25	20	Green
CAR-125	19/2.57	12.85	25	Blue/Purple
CAR-138	19/2.75	13.75	20	White
CAR-150	19/3.00	15.00	20	Red
CAR-175	19/3.50	17.50		Purple
CAR-183	37/2.62	18.30	10	Blue