



# R-Son Cable Industries

Product Catalog

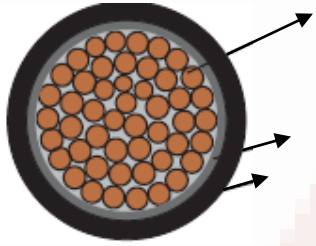
# Agenda

- ▶ About Us
- ▶ Products
  - ▶ Single core Multi strand wires
  - ▶ Un-armored cables
  - ▶ Armored cables

# About Us

- ▶ Established in the year 2005
- ▶ State of the art manufacturing facility with following manufacturing capacity
- ▶ Prestigious clients such as; Tata Projects, Afcons infrastructure, etc
- ▶ Optimal blend of Academic qualification & professional experience
  - ▶ Experienced professional with 30+ years of industry exposure
  - ▶ Highly qualified professionals with alma mater from NIT Trichy & FMS (Delhi University)

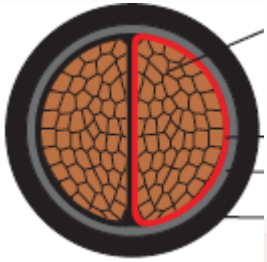
# Single core multi strand wire



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Circular
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm and above - Stranded Compacted Circular
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Black
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx. Weight of Cable	
	Aluminium	Copper				With Al'm Cond.	With Al'm Cond.
						AYY	YY
Sqmm	No's	No's	mm	mm	mm	Kg/Km	Kg/Km
4	1/3	1/3	1	1.8	8	80	100
6	1/3	1/3	1	1.8	9	90	120
10	1/7	6	1	1.8	10	110	170
16	6	6	1	1.8	10	150	250
25	6	6	1.2	1.8	12	200	350
35	6	6	1.2	1.8	13	250	450
50	6	6	1.4	1.8	15	300	600
70	12	12	1.4	1.8	16	400	800
95	15	15	1.6	1.8	18	500	1050
120	15	18	1.6	2	20	600	1300
150	15	18	1.8	2	22	700	1600
185	30	30	2	2	24	850	1950
240	30	34	2.2	2	27	1100	2500
300	30	34	2.4	2	30	1300	3100

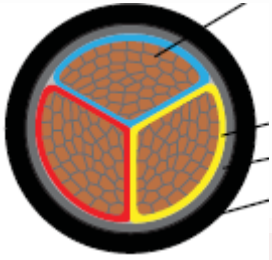
# Two core PVC insulated un-armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red & Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Minimum inner Sheath Thickness	Approx. Overall Dia of Cable	Approx. Weight of Cable	
	Aluminium	Copper					With Al'm Cond.	With Al'm Cond.
	No's	No's					AYY	YY
Sqmm	No's	No's	mm	mm	mm	mm	Kg/Km	Kg/Km
	41/3	1/3	1	0.3	1.8	13	230	280
	61/3	1/3	1	0.3	1.8	15	270	350
	101/7	6	1	0.3	1.8	16	330	480
	16	6	6	1	0.3	1.8	350	500
	25	6	6	1.2	0.3	2	450	750
	35	6	6	1.2	0.3	2	550	950
	50	6	6	1.4	0.3	2	700	1250
	70	12	12	1.4	0.3	2	850	1650
	95	15	15	1.6	0.4	2.2	1150	2250
	120	15	18	1.6	0.4	2.2	1300	2700
	150	15	18	1.8	0.4	2.4	1600	3300
	185	30	30	2	0.5	2.4	1900	4100
	240	30	34	2.2	0.5	2.6	2450	5250
	300	30	34	2.4	0.6	2.8	2950	6500

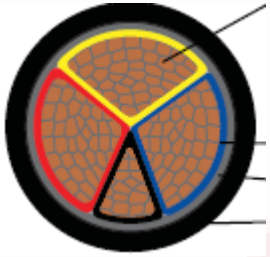
# Three core PVC insulated un-armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red, Yelow & Blue
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Minimum inner Sheath Thickness	Approx. Overall Dia of Cable	Approx. Weight of Cable	
	Aluminium	Copper					With Al'm Cond. AYY	With Al'm Cond. YY
	Sqmm	No's					No's	mm
4	1/3	1/3	1	0.3	1.8	14	250	330
6	1/3	1/3	1	0.3	1.8	15	310	420
10	1/7	6	1	0.3	1.8	17	370	580
16	6	6	1	0.3	1.8	18	450	700
25	6	6	1.2	0.3	2	21	600	1050
35	6	6	1.2	0.3	2	23	700	1350
50	6	6	1.4	0.3	2	26	900	1750
70	12	12	1.4	0.4	2.2	29	1200	2400
95	15	15	1.6	0.4	2.2	33	1500	3200
120	15	18	1.6	0.4	2.2	36	1800	3900
150	15	18	1.8	0.5	2.4	40	2200	3900
185	30	30	2	0.5	2.6	43	2700	5950
240	30	34	2.2	0.6	2.8	49	3550	7750
300	30	34	2.4	0.6	3	54	4200	9600

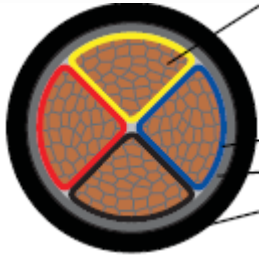
# Three & half core PVC insulated un-armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red, Yellow, Blue & Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Minimum inner Sheath Thickness	Approx. Overall Dia of Cable	Approx. Weight of Cable	
	Aluminium	Copper					With Al'm Cond.	With Al'm Cond.
							AYY	YY
Sqmm	No's	No's	mm	mm	mm	mm	Kg/Km	Kg/Km
3X25+16	6/6	6/6	1.20/1.00	0.3	2	23	700	1250
3X35+16	6/6	6/6	1.20/1.00	0.3	2	25	800	1550
3X50+25	6/6	6/6	1.40/1.20	0.3	2.2	28	1050	2050
3X70+35	6/6	6/6	1.40/1.20	0.4	2.2	32	1400	2800
3X95+50	15/6	15/6	1.60/1.40	0.4	2.2	36	1800	3700
3X120+70	15/12	18/12	1.60/1.40	0.5	2.4	39	2200	4700
3X150+70	15/12	18/12	1.80/1.40	0.5	2.4	43	2550	5550
3X185+95	30/15	30/15	2.00/1.60	0.5	2.4	47	3150	6900
3X240+120	30/15	34/18	2.20/1.60	0.6	3	53	4050	8950
3X300+150	30/15	34/18	2.40/1.80	0.6	3.2	58	4900	11100
3X400+185	53/30	53/30	2.60/2.00	0.7	3.4	64	6150	14000
3X500+240	53/30	53/34	3.00/2.20	0.7	3.8	76	7900	18050
3X630+300	53/30	53/34	3.40/2.40	0.7	4	84	9900	22950
3X25+16	6/6	6/6	1.20/1.00	0.3	2	23	700	1250

# Four core PVC insulated un-armored cable

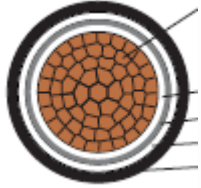


- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red, Yellow, Blue & Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Minimum inner Sheath Thickness	Approx. Overall Dia of Cable	Approx. Weight of Cable	
	Aluminium	Copper					With Al'm Cond.	With Al'm Cond.
							AYY	YY
Sqmm	No's	No's	mm	mm	mm	mm	Kg/Km	Kg/Km
4	1/3	1/3	1	0.3	1.8	15	290	400
6	1/3	1/3	1	0.3	1.8	17	350	510
10	1/7	6	1	0.3	1.8	19	440	710
16	6	6	1	0.3	2	21	550	950
25	6	6	1.2	0.3	2	23	750	1350
35	6	6	1.2	0.3	2	26	900	1700
50	6	6	1.4	0.4	2.2	29	1200	2300
70	12	12	1.4	0.4	2.2	32	1500	3100
95	15	15	1.6	0.4	2.4	37	2000	4200
120	15	18	1.6	0.5	2.4	41	2400	5150
150	15	18	1.8	0.5	2.6	45	2900	6350
185	30	30	2	0.6	2.8	50	3600	7900
240	30	34	2.2	0.6	3	56	4550	10200



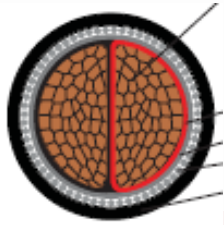
# Single core PVC insulated armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Circular
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm and above - Stranded Compacted Circular
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Armouring : Single Layer of Aluminium Round Wire / Flat Strip
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Flat Strip Armoured (AYFaY/YFaY)						Flat Wire Armoured (AYWaY/YFaW)				
				Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		
	With Al'm Cond.	With Cu Cond.					With Al'm Cond.	With Cu Cond.						
	AYFaY	YFaY					AYWaY	YFaW						
Sqmm	Aluminium No's	Copper No's	mm	mm	mm	mm	Kg/Km	Kg/Km	mm	mm	mm	Kg/Km	Kg/Km	
4	1/3	1/3	1.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	11	130	160	
6	1/3	1/3	1.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	12	150	190	
10	1/7	6	1.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	13	170	240	
16	6	6	1.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	13	250	300	
25	6	6	1.5	N/A	N/A	N/A	N/A	N/A	1.4	1.24	15	300	450	
35	6	6	1.5	N/A	N/A	N/A	N/A	N/A	1.4	1.24	16	350	550	
50	6	6	1.7	N/A	N/A	N/A	N/A	N/A	1.4	1.24	17	400	700	
70	12	12	1.7	N/A	N/A	N/A	N/A	N/A	1.4	1.4	19	500	900	
95	15	15	1.9	4X0.80	1.4	20	600	1150	1.6	1.4	22	700	1250	
120	15	18	1.9	4X0.80	1.4	22	700	1400	1.6	1.4	23	800	1450	
150	15	18	2.1	4X0.80	1.4	23	800	1700	1.6	1.4	25	900	1750	
185	30	30	2.3	4X0.80	1.4	25	1000	2050	1.6	1.4	27	1050	2150	
240	30	34	2.5	4X0.80	1.4	28	1200	2600	1.6	1.56	30	1350	2750	
300	30	34	2.7	4X0.80	1.56	31	1500	3250	1.6	1.56	33	1600	3350	

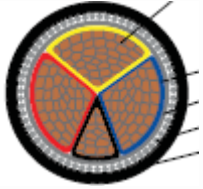
# Two core PVC insulated armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red & Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Armouring : Single Layer of Galvanized Steel Round Wire / Flat Strip
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Minimum Insulation Thickness	Flat Strip Armoured (AYFaY/YFaY)					Flat Wire Armoured (AYWaY/YFaW)					
					Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		
	With Al'm Cond.	With Cu Cond.						With Al'm Cond.	With Cu Cond.						
	AYFaY	YFaY						AYWaY	YFaW						
Sqmm	No's	No's	mm	mm	mm	mm	mm	Kg/Km	Kg/Km	mm	mm	mm	Kg/Km	Kg/Km	
4	1/3	1/3	1	0.3	N/A	N/A	N/A	N/A	N/A	N/A	1.4	1.24	16	460	540
6	1/3	1/3	1	0.3	N/A	N/A	N/A	N/A	N/A	N/A	1.4	1.24	17	530	650
10	1/7	6	1	0.3	N/A	N/A	N/A	N/A	N/A	N/A	1.4	1.4	19	620	840
16	6	6	1	0.3	4X0.80	1.4	19	600	900	1.6	1.4	21	850	1100	
25	6	6	1.2	0.3	4X0.80	1.4	22	800	1250	1.6	1.4	23	1050	1500	
35	6	6	1.2	0.3	4X0.80	1.4	23	950	1550	1.6	1.4	25	1200	1800	
50	6	6	1.4	0.3	4X0.80	1.56	27	1200	2050	1.6	1.56	28	1500	2300	
70	12	12	1.4	0.4	4X0.80	1.56	30	1500	2700	2	1.56	32	2000	3200	
95	15	15	1.6	0.4	4X0.80	1.56	33	1850	3550	2	1.72	36	2450	4150	
120	15	18	1.6	0.4	4X0.80	1.72	36	2200	4300	2	1.72	39	2800	4900	
150	15	18	1.8	0.5	4X0.80	1.88	40	2650	5250	2	1.88	43	3350	5900	
185	30	30	2	0.5	4X0.80	1.88	44	3150	6400	2.5	2.04	48	4300	7500	
240	30	34	2.2	0.6	4X0.80	2.2	50	4000	8250	2.5	2.2	53	5250	9450	
300	30	34	2.4	0.6	4X0.80	2.36	55	4800	10150	2.5	2.36	58	6150	11450	

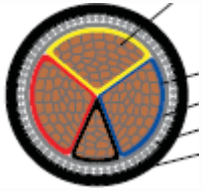
# Three core PVC insulated armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red, Yellow & Blue
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Armouring : Single Layer of Galvanized Steel Round Wire / Flat Strip
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Minimum Insulation Thickness	Flat Strip Armoured (AYFaY/YFaY)					Flat Wire Armoured (AYWaY/YFaW)				
					Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable	
	With Al'm Cond.	With Cu Cond.						With Al'm Cond.	With Cu Cond.					
	AYFaY	YFaY						AYWaY	YFaW					
Sqmm	Aluminium No's	Copper No's	mm	mm	mm	mm	mm	Kg/Km	Kg/Km	mm	mm	mm	Kg/Km	Kg/Km
4	1/3	1/3	1	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	16	460	540
6	1/3	1/3	1	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	17	530	650
10	1/7	6	1	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.4	19	620	840
16	6	6	1	0.3	4X0.80	1.4	19	600	900	1.6	1.4	21	850	1100
25	6	6	1.2	0.3	4X0.80	1.4	22	800	1250	1.6	1.4	23	1050	1500
35	6	6	1.2	0.3	4X0.80	1.4	23	950	1550	1.6	1.4	25	1200	1800
50	6	6	1.4	0.3	4X0.80	1.56	27	1200	2050	1.6	1.56	28	1500	2300
70	12	12	1.4	0.4	4X0.80	1.56	30	1500	2700	2	1.56	32	2000	3200
95	15	15	1.6	0.4	4X0.80	1.56	33	1850	3550	2	1.72	36	2450	4150
120	15	18	1.6	0.4	4X0.80	1.72	36	2200	4300	2	1.72	39	2800	4900
150	15	18	1.8	0.5	4X0.80	1.88	40	2650	5250	2	1.88	43	3350	5900
185	30	30	2	0.5	4X0.80	1.88	44	3150	6400	2.5	2.04	48	4300	7500
240	30	34	2.2	0.6	4X0.80	2.2	50	4000	8250	2.5	2.2	53	5250	9450
300	30	34	2.4	0.6	4X0.80	2.36	55	4800	10150	2.5	2.36	58	6150	11450

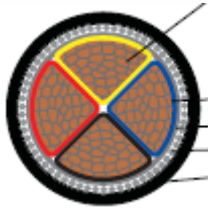
# Three & half core PVC insulated armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red, Yellow, Blue & Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Armouring : Single Layer of Galvanized Steel Round Wire / Flat Strip
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Minimum Insulation Thickness	Flat Strip Armoured (AYFaY/YFaY)						Flat Wire Armoured (AYWaY/YFaW)				
					Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		
	With Al'm Cond.	With Cu Cond.						With Al'm Cond.	With Cu Cond.						
	AYFaY	YFaY						AYWaY	YFaW						
Sqmm	No's	No's	mm	mm	mm	mm	mm	Kg/Km	Kg/Km	mm	mm	mm	Kg/Km	Kg/Km	
3X25+16	6/6	6/6	0.90/0.70	0.3	4X0.80	1.4	22	800	1350	1.6	1.4	23	1000	1550	
3X35+16	6/6	6/6	0.90/0.70	0.3	4X0.80	1.4	24	950	1650	1.6	1.4	26	1200	1900	
3X50+25	6/6	6/6	1.00/0.90	0.3	4X0.80	1.4	27	1150	2150	1.6	1.56	28	1450	2400	
3X70+35	6/6	6/6	1.10/0.90	0.4	4X0.80	1.56	31	1500	2850	2	1.56	33	2000	3400	
3X95+50	15/6	15/6	1.10/1.00	0.4	4X0.80	1.56	34	1850	3800	2	1.56	36	2400	4350	
3X120+70	15/12	18/12	1.20/1.10	0.4	4X0.80	1.72	38	2250	4750	2	1.72	40	2900	5400	
3X150+70	15/12	18/12	1.40/1.10	0.5	4X0.80	1.72	41	2650	5600	2	1.88	44	3400	6400	
3X185+95	30/15	30/15	1.60/1.10	0.5	4X0.80	1.88	46	3200	7000	2.5	2.04	50	4450	8200	
3X240+120	30/15	34/18	1.70/1.20	0.6	4X0.80	2.04	50	4000	8900	2.5	2.2	54	5250	10200	
3X300+150	30/15	34/18	1.80/1.40	0.6	4X0.80	2.2	55	4800	11000	2.5	2.36	59	6200	12400	
3X400+185	53/30	53/30	2.00/1.60	0.7	4X0.80	2.52	62	5950	13850	3.15	2.68	66	8200	16050	
3X500+240	53/30	53/34	2.20/1.70	0.7	4X0.80	2.68	72	7500	17650	3.15	2.84	77	10150	20250	
3X630+300	53/30	53/34	2.40/1.80	0.7	4X0.80	3	80	9300	22400	4	3	86	13250	26300	

# Four core PVC insulated armored cable



- Conductor Material : Aluminium / Copper as per Class-2 of IS: 8130
  - Shape of Conductor : For Al'm Cond. - 4, 6 & 10 Sq.mm Solid / Stranded Non Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
  - For Cu Cond. - 4 & 6 Sq.mm Solid / Stranded Non Compacted Circular, 10 Sq.mm - Stranded Compacted Circular, 16 Sq.mm and above - Stranded Compacted Shaped
- Insulation Material : PVC Type-A OR HR PVC Type-C as per IS: 5831; Colour : Red, Yellow, Blue & Black
- Inner Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Armouring : Single Layer of Galvanized Steel Round Wire / Flat Strip
- Outer Sheath : PVC Type ST-1 as per IS: 5831; Options : PVC Type ST-2/FR Type/FRLS Type
- Colour of Outer Sheath : Black or any other Colour as per requirement

Size (Cross Sectional Area)	Minimum No. of Strand in Conductor		Nominal Insulation Thickness	Minimum Insulation Thickness	Flat Strip Armoured (AYFaY/YFaY)					Flat Wire Armoured (AYWaY/YFaW)				
					Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable		Nominal armour strip dimension	Minimum Outer Sheath Thickness	Approx. Overall Dia of Cable	Approx Weight of Cable	
	Aluminium	Copper						With Al'm Cond.	With Cu Cond.				With Al'm Cond.	With Cu Cond.
	Sqmm	No's			No's	mm	mm	mm	mm	mm	Kg/Km	Kg/Km	mm	mm
	4	1/3	0.7	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	16	440	560
	6	1/3	0.7	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	17	520	670
	10	1/7	0.7	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.4	19	620	900
	16	6	0.7	0.3	4X0.80	1.4	20	650	1000	1.6	1.4	21	850	1200
	25	6	0.9	0.3	4X0.80	1.4	22	850	1450	1.6	1.4	24	1100	1700
	35	6	0.9	0.3	4X0.80	1.4	25	1000	1850	1.6	1.4	26	1300	2100
	50	6	1	0.3	4X0.80	1.56	28	1300	2400	1.6	1.56	29	1550	2700
	70	12	1.1	0.4	4X0.80	1.56	32	1650	3250	2	1.56	34	2200	3800
	95	15	1.1	0.4	4X0.80	1.56	35	2000	4250	2	1.72	38	2700	4900
	120	15	1.2	0.5	4X0.80	1.72	39	2500	5300	2	1.88	42	3200	6000
	150	15	1.4	0.5	4X0.80	1.88	43	2950	6400	2.5	2.04	47	4100	7550
	185	30	1.6	0.5	4X0.80	2.04	48	3600	7950	2.5	2.2	52	4850	9150
	240	30	1.7	0.6	4X0.80	2.2	54	4500	10200	2.5	2.36	58	5950	11600
	300	30	1.8	0.7	4X0.80	2.36	61	5500	12600	3.15	2.52	66	7750	14850



Thank You