



tVSD Cable

1	Conductor	Plain Annealed Copper Wire	AS/NZS 1125
2	Insulation	PE, PVC, LSZH	
3	Bedding	PVC, LSZH	
4	Screen	Copper Tape or Copper Wire	
5	Armour	Galvanized Steel Wire	AS/NZS 3863
6	Anti-termite Layer	Nylon 12	KCNY-001
7	Oversheath	PVC, LSZH, Polyolefin	AS/NZS 3808

* LSZH: Low Smoke Zero Halogen

Flame Retardant Test AS/NZS 1660.5, IEC 60332-1, IEC 60332-3C, IEC 60332-3A (if required)

Fire Resistant Test AS/NZS 3013, IEC 60331, BS 6387 CWZ

Smoke Density and Halogen Testing IEC 60754-1 & 2, IEC 61034-1 & 2

Variable Speed Unarmoured & Armoured Cables

600/1000V 3-Phase Core & 3 Earth Core

XLPE Insulated, Copper Tape Screened, Unarmoured & Armoured, PVC Sheathed Cable

CU/XLPE/PVC/CTS/PVC or CU/XLPE/PVC/CTS/SWA/PVC



Application:	For applications that require electromagnetic compatibility (EMC) to supply motors from variable speed controllers in fixed installations, cable can be laid unenclosed, enclosed in conduit, mounted on tray, or in underground ducts, and is suitable for variable speed drive equipment or other application requiring screened cable.
Voltage Rating:	600/1000V
Construction:	Plain annealed copper class 2 or class 5 conductor, X-90 Insulation, 5V-90 bedding, copper tape screen, unarmoured or galvanized steel wire armoured, 5V-90 sheathed.
Insulation Colour:	Phase Core: Red, White Blue Earth Core: Green/Yellow
Sheath Colour:	Black or as per order
Specification:	AS/NZS 5000.1, IEC 60502-1, IEC 60228, AS/NZS 1125, AS/NZS 1660, AS/NZS 3808
Operating Temperature:	90 °C

Unarmoured Cable

CORES	TYPE	Phase Core			Earth Core		Nominal Dia. Over Bedding	Nominal Dia. Over Screen	Approx. Overall Dia	Approx. Weight
		Conductor		Nominal Insulation Thickness	Conductor	Nominal Insulation Thickness				
		Nominal Area	No./Dia. of Strand							
mm ²	No./mm	mm	mm ²	mm	mm	mm	Kg/KM			
3C+E	Fixed	2.5	2	0.7	2.5	0.7	10.2	10.6	14.8	375
	Flexible		5				10.3	10.7	15.0	380
3C+3E	Fixed	4	2	0.7	1.5	0.7	10.5	10.9	15.5	505
	Flexible		5				11.5	11.9	16.5	490
	Fixed	6	2	0.7	1.5	0.7	11.8	12.2	17.0	595
	Flexible		5				13.1	13.5	18.5	600
	Fixed	10	2	0.7	1.5	0.7	13.8	14.2	19.0	720
	Flexible		5				14.7	15.1	20.5	745
	Fixed	16	2	0.7	2.5	0.7	16.0	16.4	21.5	1005
	Flexible		5				16.9	17.3	22.5	1040
	Fixed	*25	2	0.9	4	0.7	19.8	20.2	25.5	1450
	Flexible	25	5				20.1	20.5	26.0	1430
	Fixed	*35	2	0.9	6	0.7	22.4	22.8	28.0	1850
	Flexible	35	5				24.8	25.2	31.0	1935
	Fixed	*50	2	1.0	10	0.7	25.5	25.9	31.5	2455
	Flexible	50	5				29.8	30.2	36.0	2720
	Fixed	*70	2	1.1	10	0.7	30.3	30.7	37.0	3255
	Flexible	70	5				34.7	35.1	41.5	3615
	Fixed	*95	2	1.1	16	0.7	34.4	34.8	41.5	4355
	Flexible	95	5				39.6	40.0	46.5	4595
	Fixed	*120	2	1.2	16	0.7	38.7	39.1	46.0	5330
	Flexible	120	5				45.0	45.4	52.5	5625
Fixed	*150	2	1.4	25	0.9	42.9	43.5	51.0	6655	
Flexible	150	5				48.3	48.9	56.5	6935	
Fixed	*185	2	1.6	25	0.9	47.8	48.4	56.5	8170	
Flexible	185	5				55.5	56.1	64.5	8560	
Fixed	*240	2	1.7	35	0.9	54.3	54.9	63.5	10390	
Flexible	240	5				61.2	61.8	71.0	11045	
Fixed	*300	2	1.8	50	1.0	60.0	60.6	70.0	13040	
Flexible	300	5				69.0	69.6	80.0	13910	

* Circular compacted stranded conductor

Variable Speed Unarmoured & Armoured Cables



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XLPE Insulated, Copper Tape Screened, Unarmoured & Armoured, PVC Sheathed Cable

CU/XLPE/PVC/CTS/PVC or CU/XLPE/PVC/CTS/SWA/PVC

		Armoured Cable										
CORES	TYPE	Phase Core			Earth Core		Nominal Dia. Over Bedding	Nominal Dia. Over Screen	Nominal Dia. Over Armour	Approx. Overall Dia	Approx. Weight	
		Conductor		Nominal Insulation Thickness	Conductor							Nominal Insulation Thickness
		Nominal Area	Class		Nominal Area	Nominal Insulation Thickness						
		mm ²	No	mm	mm ²	mm	mm	mm	mm	Kg/KM		
3C+E	Fixed		2				10.2	10.6	15.1	19.5	940	
	Flexible	*2.5	5	0.7	2.5	0.7	10.3	10.7	15.2	20.0	965	
3C+3E	Fixed	4	2	0.7	1.5	0.7	10.2	10.9	15.4	20.0	1080	
	Flexible	4	5	0.7	1.5	0.7	11.5	11.9	16.4	21.0	1105	
	Fixed	6	2	0.7	1.5	0.7	11.8	12.2	16.7	21.0	1200	
	Flexible	6	5	0.7	1.5	0.7	13.1	13.5	18.7	24.0	1480	
	Fixed	10	2	0.7	1.5	0.7	13.8	14.2	19.4	24.0	1600	
	Flexible	10	5	0.7	1.5	0.7	14.7	15.1	20.3	25.0	1670	
	Fixed	16	2	0.7	2.5	0.7	16.0	16.4	21.6	26.5	1970	
	Flexible	16	5	0.7	2.5	0.7	16.9	17.3	22.5	27.5	2055	
	Fixed	*25	2	0.9	4	0.7	19.8	20.2	25.4	31.0	2635	
	Flexible	25	5	0.9	4	0.7	20.1	20.5	25.7	32.0	2680	
	Fixed	*35	2	0.9	6	0.7	22.4	22.8	28.0	33.5	3155	
	Flexible	35	5	0.9	6	0.7	24.8	25.2	31.2	37.0	3700	
	Fixed	*50	2	1.0	10	0.7	25.5	25.9	31.9	38.0	4270	
	Flexible	50	5	1.0	10	0.7	29.8	30.2	36.6	43.0	4860	
	Fixed	*70	2	1.1	10	0.7	30.3	30.7	37.1	43.5	5400	
	Flexible	70	5	1.1	10	0.7	34.7	35.1	42.5	49.5	6530	
	Fixed	*95	2	1.1	16	0.7	34.4	34.8	42.2	49.0	7275	
	Flexible	95	5	1.1	16	0.7	39.6	40.0	47.8	55.0	8000	
	Fixed	*120	2	1.2	16	0.7	38.7	39.1	46.9	54.5	8680	
	Flexible	120	5	1.2	16	0.7	45.0	45.4	53.2	61.5	9540	
	Fixed	*150	2	1.4	25	0.9	42.9	43.5	51.3	59.0	10385	
	Flexible	150	5	1.4	25	0.9	48.3	48.9	57.1	66.0	11355	
	Fixed	*185	2	1.6	25	0.9	47.8	48.4	56.6	65.5	12350	
	Flexible	185	5	1.6	25	0.9	55.5	56.1	64.3	73.5	13300	
	Fixed	*240	2	1.7	35	0.9	54.3	54.9	63.1	73.0	15340	
	Flexible	240	5	1.7	35	0.9	61.2	61.8	71.3	81.5	17355	
	Fixed	*300	2	1.8	50	1.0	60.0	60.6	70.1	80.5	19450	
	Flexible	300	5	1.8	50	1.0	69.0	69.6	79.5	91.0	21100	

* Circular compacted stranded conductor