

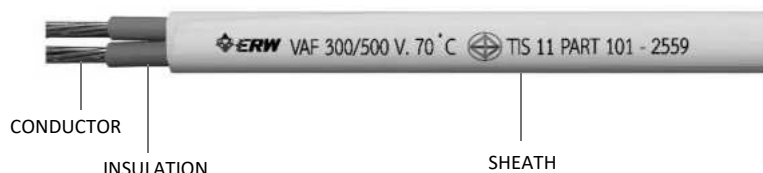
COPPER CONDUCTOR CABLES

◆ BUILDING WIRES AND CABLES ◆

TIS 11 Part 101-2559 : Sheathed Cables for General Purposes

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300/500 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND SHEATHED, FLAT TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor Insulation Core identification 2 Cores Sheath	: Solid and stranded annealed copper, Size 1.0 mm ² up to 16 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 300/500 Volts 300 Volts between Line-to-Earth 500 Volts between Line-to-Line
	: Polyvinyl chloride (PVC/C)	Testing voltage	: 2,000 Volts
		Reference standard	: TIS 11 Part 101-2559, Table 1
	APPLICATION		
	Building wiring for surface or above ceiling wiring or direct embedded in plaster.		

Number of core	Nominal cross sectional area (mm ²)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter		Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 20° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
					Lower limit (mm)	Upper limit (mm)					
2	1	1	0.6	0.9	4.0 x 6.2	4.7 x 7.4	18.1	13.0000	13	50	100/C
	1.5	1	0.7	0.9	4.4 x 7.0	5.4 x 8.4	12.1	0.0110	17	70	100/C
	2.5	1	0.8	1.0	5.2 x 8.4	6.2 x 9.8	7.41	0.0100	23	100	100/C
	4	2	0.8	1.1	5.6 x 9.6	7.2 x 11.5	4.61	0.0077	31	150	100/C
	6	2	0.8	1.1	6.4 x 10.5	8.0 x 13.0	3.08	0.0065	40	200	100/C
	10	2	1.0	1.2	7.8 x 13.0	9.6 x 16.0	1.83	0.0065	55	310	100/C
	16	2	1.0	1.3	9.0 x 15.5	11.0 x 18.5	1.15	0.0052	74	450	100/C

Class of conductor 1:Solid
2:Strand

G:Ground conductor

C: Packing in coil
D: Packing in drum

300/500 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, FLAT TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	: Solid and stranded annealed copper Size 1.0 mm ² up to 16 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 300/500 Volts 300 Volts between Line-to-Earth 500 Volts between Line-to-Line
Ground wire	: Solid and stranded annealed copper Size 1.0 mm ² up to 16 mm ²	Testing voltage	: 2,000 Volts
Insulation	: Polyvinyl chloride (PVC/C)	Reference standard	: TIS 11 Part 101-2559, Table 1
Core identification		APPLICATION	
2 Cores	: Blue and Brown	Building wiring for surface or above ceiling wiring or direct embedded in plaster.	
Ground-Cores	: Green/Yellow		
Sheath	: White polyvinyl chloride (PVC/ST4)		

Number of core	Nominal cross sectional area (mm ²)	Class of Conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter		Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	cable weight approx. (kg/km)	Standard length (m)
					Lower limit (mm)	Upper limit (mm)					
2+G	1	1	0.6	0.9	4.0 x 8.4	4.7 x 9.8	18.1	13.0000	13	75	100/C
	1(G)	1	0.6	0.9			18.1				
	1.5	1	0.7	0.9	4.4 x 9.8	5.4 x 11.5	12.1	0.0110	17	100	100/C
	1.5(G)	1	0.7	0.9			12.1				
	2.5	1	0.8	1.0	5.2 x 11.5	6.2 x 13.5	7.41	0.0100	23	150	100/C
	2.5(G)	1	0.8	1.0			7.41				
	4	2	0.8	1.1	5.8 x 13.4	7.4 x 16.5	4.61	0.0077	31	220	100/C
	4(G)	2	0.8	1.1			4.61				
	6	2	0.8	1.1	6.4 x 15.0	8.0 x 18.0	3.08	0.0065	40	290	100/C
	6(G)	2	0.8	1.1			3.08				
	10	2	1.0	1.2	7.8 x 19.0	9.6 x 22.5	1.83	0.0065	55	460	100/C
	10(G)	2	1.0	1.2			1.83				
	16	2	1.0	1.3	9.0 x 22.0	11.0 x 26.5	1.15	0.0052	74	650	500/D
	16(G)	2	1.0	1.3			1.15				

Class of conductor 1:Solid
2:Strand

G:Ground conductor

C: Packing in coil
D: Packing in drum

450/750 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED


CABLE STRUCTURE						TECHNICAL DATA					
Conductor : Soil and Stranded annealed copper Single-core : Size 1 mm ² up to 500 mm ² Multi-core : Size 1 mm ² up to 300 mm ² Insulation : Polyvinyl chloride (PVC/C) Core identification Single-core : Black 2 Cores : Blue and Brown 3 Cores : Brown, Black and Grey 4 Cores : Blue, Brown, Black and Grey Inner sheath : Black polyvinyl chloride (PVC)(Multi-cores only) Outer sheath : Black polyvinyl chloride (PVC/ST4)						Classification : Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line Testing voltage : 2,500 Volts Reference standard : TIS 11 Part 101-2559, Table 3					
						APPLICATION					
						For installation exposed, or in raceway, wet or dry location, or direct burial in ground.					

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating maximum		Cable weight approx. (kg/km)	Standard length (m)
								Free air at 40° C (A)	Underground at 30° C (A)		
1	1	1	1.5	1.8	8.6	18.1	0.0207	19	25	80	100/C
	1	2	1.5	1.8	8.8	18.1	0.0200	19	25	80	100/C
	1.5	1	1.5	1.8	9.0	12.1	0.0184	24	31	85	100/C
	1.5	2	1.5	1.8	9.2	12.1	0.0175	24	31	90	100/C
	2.5	1	1.5	1.8	9.4	7.41	0.0157	32	41	100	100/C
	2.5	2	1.5	1.8	9.8	7.41	0.0146	32	41	110	100/C
	4	1	1.5	1.8	10.0	4.61	0.0135	43	53	120	100/C
	4	2	1.5	1.8	10.5	4.61	0.0124	43	53	130	100/C
	6	2	1.5	1.8	11.0	3.08	0.0107	54	68	160	100/C
	10	2	1.5	1.8	12.0	1.83	0.0088	73	79	210	500/D
	16	2	1.5	1.8	13.0	1.15	0.0074	97	118	280	500/D
	25	2	1.5	1.8	14.5	0.727	0.0061	129	153	390	500/D
	35	2	1.5	1.8	16.0	0.524	0.0053	159	185	490	500/D
	50	2	1.5	1.8	17.0	0.387	0.0046	191	220	620	500/D
	70	2	1.5	1.8	19.0	0.268	0.0039	241	271	850	500/D
	95	2	1.7	1.8	21.5	0.193	0.0038	297	326	1,100	500/D
	120	2	1.7	1.8	23.0	0.153	0.0034	345	372	1,400	500/D
	150	2	1.9	2.0	26.0	0.124	0.0034	397	418	1,700	500/D
	185	2	2.1	2.0	28.0	0.0991	0.0034	456	473	2,100	500/D
	240	2	2.3	2.2	31.5	0.0754	0.0033	541	549	2,700	500/D
	300	2	2.5	2.2	35.0	0.0601	0.0032	628	624	3,400	500/D
	400	2	2.7	2.2	38.5	0.0470	0.0030	733	713	4,300	500/D
	500	2	3.1	2.4	43.0	0.0366	0.0031	848	810	5,400	500/D

Class of conductor 1 : Solid
2: Strand

C: Packing in coil
D:Packing in drum

450/750 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	: Soil and Stranded annealed copper Single-core : Size 1 mm ² up to 500 mm ² Multi-core : Size 1 mm ² up to 300 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Insulation	: Polyvinyl chloride (PVC/C)	Testing voltage	: 2,500 Volts
Core identification	Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey	Reference standard	: TIS 11 Part 101-2559, Table 4
Inner sheath	:Black polyvinyl chloride (PVC)(Multi-cores only)	APPLICATION	
Outer sheath	:Black polyvinyl chloride (PVC/ST4)	For installation exposed, or in raceway, wet or dry location, or direct burial in ground.	

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ·km)	Continuous current rating maximum		cable weight approx. (kg/km)	Standard length (m)
									Free air at 40° C (A)	Underground at 30° C (A)		
2	1	1	0.8	0.8	1.8	12.0	18.1	0.0141	13	21	160	100/C
	1	2	0.8	0.8	1.8	12.5	18.1	0.0135	16	26	170	100/C
	1.5	1	0.8	0.8	1.8	12.5	12.1	0.0123	22	35	180	100/C
	1.5	2	0.8	0.8	1.8	13.0	12.1	0.0116	30	45	190	100/C
	2.5	1	0.8	0.8	1.8	13.5	7.41	0.0102	37	57	220	100/C
	2.5	2	0.8	0.8	1.8	14.0	7.41	0.0093	52	76	230	100/C
	4	1	0.9	0.8	1.8	15.0	4.61	0.0094	70	99	280	100/C
	4	2	0.9	0.8	1.8	15.5	4.61	0.0085	88	128	300	100/C
	6	2	0.9	0.8	1.8	17.0	3.08	0.0073	110	154	370	100/C
	10	2	1.1	0.8	1.8	19.5	1.83	0.0069	133	181	540	500/D
	16	2	1.1	0.8	2.0	22.5	1.15	0.0057	171	223	740	500/D
	25	2	1.3	1.2	2.0	27.0	0.727	0.0054	207	267	1,120	500/D
	35	2	1.3	1.2	2.0	29.5	0.524	0.0047	240	304	1,420	500/D
	50	2	1.5	1.2	2.2	33.5	0.387	0.0046	133	181	1,850	500/D
	70	2	1.5	1.5	2.2	38.0	0.268	0.0039	171	223	2,500	500/D
	95	2	1.7	1.5	2.2	42.5	0.193	0.0038	207	267	3,300	500/D
	120	2	1.7	1.5	2.4	46.5	0.153	0.0034	240	304	4,010	500/D
	150	2	1.9	1.8	2.6	52.0	0.124	0.0034	278	342	4,970	300/D
	185	2	2.1	1.8	2.8	57.0	0.0991	0.0034	317	386	6,110	300/D
	240	2	2.3	2.0	3.0	64.0	0.0754	0.0033	374	448	7,900	300/D
	300	2	2.5	2.0	3.2	70.5	0.0601	0.0032	432	507	9,690	200/D

Class of conductor 1:Solid
2:Strand

C: Packing in coil
D: Packing in drum

450/750 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED

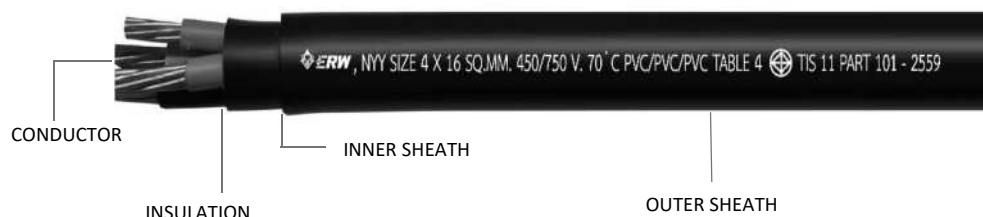


CABLE STRUCTURE		TECHNICAL DATA	
Conductor	: Soil and Stranded annealed copper Single-core : Size 1 mm ² up to 500 mm ² Multi-core : Size 1 mm ² up to 300 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Insulation	: Polyvinyl chloride (PVC/C)	Testing voltage	: 2,500 Volts
Core identification	Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey	Reference standard	:TIS 11 Part 101-2559, Table 4
Inner sheath	:Black polyvinyl chloride (PVC)(Multi-cores only)	APPLICATION	
Outer sheath	:Black polyvinyl chloride (PVC/ST4)	For installation exposed, or in raceway, wet or dry location, or direct burial in ground.	

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating maximum		cable weight approx. (kg/km)	Standard length (m)
									Free air at 40° C (A)	Underground at 30° C (A)		
3	1	1	0.8	0.8	1.8	12.5	18.1	0.0141	13	21	180	100/C
	1	2	0.8	0.8	1.8	13.0	18.1	0.0135	16	26	190	100/C
	1.5	1	0.8	0.8	1.8	13.0	12.1	0.0123	22	35	205	100/C
	1.5	2	0.8	0.8	1.8	13.5	12.1	0.0116	30	45	220	100/C
	2.5	1	0.8	0.8	1.8	14.0	7.41	0.0102	37	57	250	100/C
	2.5	2	0.8	0.8	1.8	15.0	7.41	0.0093	52	76	270	100/C
	4	1	0.9	0.8	1.8	15.5	4.61	0.0094	70	99	335	100/C
	4	2	0.9	0.8	1.8	16.5	4.61	0.0085	88	128	360	100/C
	6	2	0.9	0.8	1.8	18.0	3.08	0.0073	110	154	450	100/C
	10	2	1.1	0.8	1.8	20.5	1.83	0.0069	133	181	660	500/D
	16	2	1.1	1.2	2.0	24.5	1.15	0.0057	171	223	970	500/D
	25	2	1.3	1.2	2.0	28.5	0.727	0.0054	207	267	1,410	500/D
	35	2	1.3	1.2	2.0	31.5	0.524	0.0047	240	304	1,810	500/D
	50	2	1.5	1.5	2.2	36.0	0.387	0.0046	133	181	2,410	500/D
	70	2	1.5	1.5	2.2	40.5	0.268	0.0039	171	223	3,200	500/D
	95	2	1.7	1.5	2.4	46.0	0.193	0.0038	207	267	4,300	500/D
	120	2	1.7	1.8	2.6	50.5	0.153	0.0034	240	304	5,320	300/D
	150	2	1.9	1.8	2.8	56.0	0.124	0.0034	278	342	6,490	300/D
	185	2	2.1	2.0	3.0	61.5	0.0991	0.0034	317	386	8,060	300/D
	240	2	2.3	2.0	3.2	69.0	0.0754	0.0033	374	448	10,360	200/D
	300	2	2.5	2.2	3.4	76.0	0.0601	0.0032	432	507	12,810	200/D

Class of conductor 1:Solid
2:Strand

C: Packing in coil
D: Packing in drum

450/750 V 70°C SOLID AND STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED


CABLE STRUCTURE						TECHNICAL DATA					
Conductor : Soil and Stranded annealed copper Single-core : Size 1 mm ² up to 500 mm ² Multi-core : Size 1 mm ² up to 300 mm ² Insulation : Polyvinyl chloride (PVC/C) Core identification Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey Inner sheath :Black polyvinyl chloride (PVC)(Multi-cores only) Outer sheath :Black polyvinyl chloride (PVC/ST4)						Classification : Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line Testing voltage : 2,500 Volts Reference standard :TIS 11 Part 101-2559, Table 4					
						APPLICATION					
						For installation exposed, or in raceway, wet or dry location, or direct burial in ground.					

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating maximum		cable weight approx. (kg/km)	Standard length (m)
									Free air at 40° C (A)	Underground at 30° C (A)		
4	1	1	0.8	0.8	1.8	13.5	18.1	0.0141	13	21	210	100/C
	1	2	0.8	0.8	1.8	14.0	18.1	0.0135	16	26	220	100/C
	1.5	1	0.8	0.8	1.8	14.0	12.1	0.0123	22	35	240	100/C
	1.5	2	0.8	0.8	1.8	14.5	12.1	0.0116	30	45	260	100/C
	2.5	1	0.8	0.8	1.8	15.0	7.41	0.0102	37	57	300	100/C
	2.5	2	0.8	0.8	1.8	16.0	7.41	0.0093	52	76	320	100/C
	4	1	0.9	0.8	1.8	17.0	4.61	0.0094	70	99	400	100/C
	4	2	0.9	0.8	1.8	17.5	4.61	0.0085	88	128	440	100/C
	6	2	0.9	0.8	1.8	19.0	3.08	0.0073	110	154	550	100/C
	10	2	1.1	0.8	2.0	23.0	1.83	0.0069	133	181	840	500/D
	16	2	1.1	1.2	2.0	26.5	1.15	0.0057	171	223	1,200	500/D
	25	2	1.3	1.2	2.0	31.0	0.727	0.0054	207	267	1,760	500/D
	35	2	1.3	1.5	2.2	35.0	0.524	0.0047	240	304	2,360	500/D
	50	2	1.5	1.5	2.2	39.5	0.387	0.0046	133	181	3,020	500/D
	70	2	1.5	1.5	2.4	44.5	0.268	0.0039	171	223	4,090	500/D
	95	2	1.7	1.8	2.6	51.5	0.193	0.0038	207	267	5,580	300/D
	120	2	1.7	1.8	2.8	56.0	0.153	0.0034	240	304	6,800	300/D
	150	2	1.9	2.0	3.0	62.0	0.124	0.0034	278	342	8,360	300/D
	185	2	2.1	2.0	3.2	68.0	0.0991	0.0034	317	386	10,310	200/D
	240	2	2.3	2.2	3.4	76.5	0.0754	0.0033	374	448	13,350	200/D
	300	2	2.5	2.2	3.8	85.0	0.0601	0.0032	432	507	16,500	200/D

Class of conductor 1:Solid
2:Strand

C: Packing in coil
D: Packing in drum

450/750 V 70°C STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED WITH GROUND



CABLE STRUCTURE							TECHNICAL DATA					
Conductor : Stranded annealed copper : 2 cores up to 4 cores with ground : Size 1 mm ² up to 300 mm ² Ground Wire : Stranded annealed copper : Size 1 mm ² up to 150 mm ² Insulation : Polyvinyl chloride (PVC/C) Core identification 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey Ground wire :Green/Yellow Inner sheath :Black polyvinyl chloride (PVC) Outer sheath :Black polyvinyl chloride (PVC/ST4)							Classification :Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line Testing voltage : 2,500 Volts Reference standard :TIS 11 Part 101-2559, Table 5					
							APPLICATION					
							For installation exposed, or in raceway, wet or dry location, or direct burial in ground.					
Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating maximum		cable weight approx. (kg/km)	Standard length (m)
									Free air (A)	Underground (A)		
2+G	1	1	0.8	0.8	1.8	13.0	18.1	0.0141	13	21	180	100/C
	1(G)	1	0.8	0.8	1.8	13.5	18.1	0.0135	16	26	190	100/C
	1.5	2	0.8	0.8	1.8	13.5	18.1	0.0123	22	35	210	100/C
	1.5(G)	1	0.8	0.8	1.8	14.0	12.1	0.0116	30	45	220	100/C
	1.5	2	0.8	0.8	1.8	14.5	12.1	0.0102	37	57	250	100/C
	1.5(G)	1	0.8	0.8	1.8	15.0	7.41	0.0093	52	76	270	100/C
	2.5	2	0.8	0.8	1.8	15.0	7.41	0.0093	52	76	270	100/C
	2.5(G)	2	0.8	0.8	1.8	16.0	4.61	0.0094	70	99	330	100/C
	4	1	0.9	0.8	1.8	16.5	4.61	0.0085	88	128	360	100/C
	4(G)	1	0.9	0.8	1.8	18.0	4.61	0.0073	110	154	450	100/C
	4	2	0.9	0.8	1.8	18.0	3.08	0.0073	110	154	450	100/C
	4(G)	2	0.9	0.8	1.8	21.0	3.08	0.0069	133	181	670	500/D
	6	2	1.1	0.8	1.8	21.0	1.83	0.0069	133	181	670	500/D
	6(G)	2	1.1	0.8	2.0	23.5	1.83	0.0057	171	223	930	500/D
	10	2	1.1	0.8	2.0	28.0	1.15	0.0054	88	128	1,280	500/D
	10(G)	2	1.1	0.8	2.0	30.0	0.727	0.0047	110	154	1,550	500/D
	16	2	1.3	1.2	2.2	34.0	1.15	0.0046	133	181	2,080	500/D
	16(G)	2	1.3	1.2	2.2	38.5	0.524	0.0039	171	223	2,810	500/D
	25	2	1.5	1.5	2.2	43.5	0.387	0.0038	207	267	3,710	500/D
	25(G)	2	1.5	1.5	2.4	47.5	0.727	0.0034	240	304	4,620	300/D
	35	2	1.7	1.8	2.6	53.0	1.15	0.0034	278	342	5,840	300/D
	35(G)	2	1.7	1.8	2.8	57.5	0.268	0.0034	317	386	6,910	300/D
	50	2	1.9	2.0	3.0	64.5	0.0991	0.0033	374	448	8,860	200/D
	50(G)	2	1.9	2.0	3.2	71.0	0.387	0.0032	432	507	10,880	200/D
	120	2	2.3	2.0	3.0	64.5	0.153	0.0033	374	448	8,860	200/D
	120(G)	2	2.3	2.0	3.2	71.0	0.153	0.0032	432	507	10,880	200/D
	150	2	2.5	2.0	3.0	64.5	0.0601	0.0033	374	448	8,860	200/D
	150(G)	2	2.5	2.0	3.2	71.0	0.0601	0.0032	432	507	10,880	200/D

Class of conductor 1:Solid

2:Strand

G: Ground conductor

C: Packing in coil

D: Packing in drum



450/750 V 70°C STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED WITH GROUND



CABLE STRUCTURE							TECHNICAL DATA					
Conductor : Stranded annealed copper : 2 cores up to 4 cores with ground : Size 1 mm ² up to 300 mm ² Ground Wire : Stranded annealed copper : Size 1 mm ² up to 150 mm ² Insulation : Polyvinyl chloride (PVC/C) Core identification 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey Ground wire :Green/Yellow Inner sheath :Black polyvinyl chloride (PVC) Outer sheath :Black polyvinyl chloride (PVC/ST4)							Classification : Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line Testing voltage : 2,500 Volts Reference standard :TIS 11 Part 101-2559, Table 5					
							APPLICATION					
							For installation exposed, or in raceway, wet or dry location, or direct burial in ground.					
Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating maximum		cable weight approx. (kg/km)	Standard length (m)
									Free air (A)	Underground (A)		
3+G	1	1	0.8	0.8	1.8	13.5	18.1	0.0141	13	21	210	100/C
	1(G)	1	0.8	0.8	1.8	14.0	18.1	0.0135	16	26	220	100/C
	1.5	1	0.8	0.8	1.8	14.0	12.1	0.0123	22	35	240	100/C
	1.5(G)	1	0.8	0.8	1.8	15.0	12.1	0.0116	30	45	250	100/C
	1.5	2	0.8	0.8	1.8	15.0	12.1	0.0116	30	45	250	100/C
	1.5(G)	2	0.8	0.8	1.8	15.5	7.41	0.0102	37	57	300	100/C
	2.5	1	0.8	0.8	1.8	15.5	7.41	0.0102	37	57	300	100/C
	2.5(G)	1	0.8	0.8	1.8	16.0	7.41	0.0093	52	76	320	100/C
	2.5	2	0.8	0.8	1.8	16.0	7.41	0.0093	52	76	320	100/C
	2.5(G)	2	0.8	0.8	1.8	17.0	4.61	0.0094	70	99	400	100/C
	4	1	0.9	0.8	1.8	17.0	4.61	0.0094	70	99	400	100/C
	4(G)	1	0.9	0.8	1.8	18.0	4.61	0.0085	88	128	430	100/C
	4	2	0.9	0.8	1.8	18.0	4.61	0.0085	88	128	430	100/C
	4(G)	2	0.9	0.8	1.8	19.0	3.08	0.0073	110	154	550	100/C
	6	2	0.9	0.8	1.8	19.0	3.08	0.0073	110	154	550	100/C
	6(G)	2	0.9	0.8	1.8	22.5	1.83	0.0069	133	181	820	500/D
	10	2	1.1	0.8	1.8	22.5	1.83	0.0069	133	181	820	500/D
	10(G)	2	1.1	0.8	1.8	26.5	1.15	0.0057	171	223	1,200	500/D
	16	2	1.1	1.2	2.0	26.5	1.15	0.0057	171	223	1,200	500/D
	16(G)	2	1.1	1.2	2.0	30.5	0.727	0.0054	88	128	1,620	500/D
	25	2	1.3	1.2	2.0	30.5	1.15	0.0054	88	128	1,620	500/D
	16(G)	2	1.1	1.2	2.0	33.0	0.524	0.0047	110	154	1,990	500/D
	35	2	1.3	1.2	2.0	33.0	0.524	0.0047	110	154	1,990	500/D
	16(G)	2	1.1	1.2	2.0	38.5	0.387	0.0046	133	181	2,730	500/D
	50	2	1.5	1.5	2.2	38.5	0.727	0.0046	133	181	2,730	500/D
	25(G)	2	1.3	1.5	2.2	42.5	0.268	0.0039	171	223	3,630	500/D
	70	2	1.5	1.5	2.2	42.5	0.524	0.0039	171	223	3,630	500/D
	35(G)	2	1.3	1.5	2.2	48.5	0.193	0.0038	207	267	4,870	500/D
	95	2	1.7	1.5	2.4	48.5	0.387	0.0038	207	267	4,870	500/D
	50(G)	2	1.5	1.5	2.4	53.5	0.153	0.0034	240	304	6,120	300/D
	120	2	1.7	1.8	2.6	53.5	0.268	0.0034	240	304	6,120	300/D
	70(G)	2	1.5	1.8	2.6	59.0	0.124	0.0034	278	342	7,610	300/D
	150	2	1.9	1.8	2.8	59.0	0.193	0.0034	278	342	7,610	300/D
	95(G)	2	1.7	2.0	3.0	64.5	0.0991	0.0034	317	386	9,130	300/D
	185	2	2.1	2.0	3.0	64.5	0.193	0.0034	317	386	9,130	300/D
	95(G)	2	1.7	2.0	3.0	72.0	0.0754	0.0033	374	448	11,660	200/D
	240	2	2.3	2.0	3.2	72.0	0.153	0.0033	374	448	11,660	200/D
	120(G)	2	1.7	2.0	3.2	79.5	0.0601	0.0032	432	507	14,410	200/D
	300	2	2.5	2.2	3.4	79.5	0.124	0.0032	432	507	14,410	200/D
	150(G)	2	1.9	2.2	3.4	79.5	0.124	0.0032	432	507	14,410	200/D

Class of conductor
1:Solid
2:Strand

G: Ground conductor

C: Packing in coil
D: Packing in drum



450/750 V 70°C STRANDED CONDUCTOR PVC INSULATED AND DOUBLE SHEATHED WITH GROUND



CABLE STRUCTURE							TECHNICAL DATA					
Conductor : Stranded annealed copper : 2 cores up to 4 cores with ground : Size 1 mm ² up to 300 mm ² Ground Wire : Stranded annealed copper : Size 1 mm ² up to 150 mm ² Insulation : Polyvinyl chloride (PVC/C) Core identification 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey Ground wire :Green/Yellow Inner sheath :Black polyvinyl chloride (PVC) Outer sheath :Black polyvinyl chloride (PVC/ST4)							Classification : Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line Testing voltage : 2,500 Volts Reference standard :TIS 11 Part 101-2559, Table 5 APPLICATION For installation exposed, or in raceway, wet or dry location, or direct burial in ground.					
Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω /km)	Insulation resistance at 70° C minimum (MΩ ·km)	Continuous current rating maximum		cable weight approx. (kg/km)	Standard length (m)
4+G	1	1	0.8	0.8	1.8	14.5	18.1	0.0141	Free air (A)	Underground (A)		
	1(G)	1	0.8	0.8	1.8	14.5	18.1	0.0141	13	21	240	100/C
	1	2	0.8	0.8	1.8	15.0	18.1	0.0135	16	26	250	100/C
	1(G)	2	0.8	0.8	1.8	15.0	18.1	0.0135	16	26	250	100/C
	1.5	1	0.8	0.8	1.8	15.0	12.1	0.0123	22	35	280	100/C
	1.5(G)	1	0.8	0.8	1.8	15.0	12.1	0.0123	22	35	280	100/C
	1.5	2	0.8	0.8	1.8	16.0	12.1	0.0116	30	45	290	100/C
	1.5(G)	2	0.8	0.8	1.8	16.0	12.1	0.0116	30	45	290	100/C
	2.5	1	0.8	0.8	1.8	16.5	7.41	0.0102	37	57	350	100/C
	2.5(G)	1	0.8	0.8	1.8	16.5	7.41	0.0102	37	57	350	100/C
	2.5	2	0.8	0.8	1.8	17.0	7.41	0.0093	52	76	370	100/C
	2.5(G)	2	0.8	0.8	1.8	17.0	7.41	0.0093	52	76	370	100/C
	4	1	0.9	0.8	1.8	18.0	4.61	0.0094	70	99	470	100/C
	4(G)	1	0.9	0.8	1.8	18.0	4.61	0.0094	70	99	470	100/C
	4	2	0.9	0.8	1.8	19.0	4.61	0.0085	88	128	500	100/C
	4(G)	2	0.9	0.8	1.8	19.0	4.61	0.0085	88	128	500	100/C
	6	2	0.9	0.8	1.8	20.5	3.08	0.0073	110	154	660	500/D
	6(G)	2	0.9	0.8	1.8	20.5	3.08	0.0073	110	154	660	500/D
	10	2	1.1	0.8	2.0	25.0	1.83	0.0069	133	181	1,010	500/D
	10(G)	2	1.1	0.8	2.0	25.0	1.83	0.0069	133	181	1,010	500/D
	16	2	1.1	1.2	2.0	28.5	1.15	0.0057	171	223	1,450	500/D
	16(G)	2	1.1	1.2	2.0	28.5	1.15	0.0057	171	223	1,450	500/D
	25	2	1.3	1.2	2.0	34.0	0.727	0.0054	88	128	1,990	500/D
	16(G)	2	1.1	1.2	2.0	34.0	1.15	0.0054	88	128	1,990	500/D
	35	2	1.3	1.5	2.2	39.0	0.524	0.0047	110	154	2,570	500/D
	16(G)	2	1.1	1.2	2.0	39.0	1.15	0.0047	110	154	2,570	500/D
	50	2	1.5	1.5	2.2	43.5	0.387	0.0046	133	181	3,390	500/D
	25(G)	2	1.3	1.5	2.2	43.5	0.727	0.0046	133	181	3,390	500/D
	70	2	1.5	1.5	2.4	49.0	0.268	0.0039	171	223	4,570	500/D
	35(G)	2	1.3	1.5	2.4	49.0	0.524	0.0039	171	223	4,570	500/D
	95	2	1.7	1.8	2.6	56.5	0.193	0.0038	207	267	6,230	300/D
	50(G)	2	1.5	1.8	2.6	56.5	0.387	0.0038	207	267	6,230	300/D
	120	2	1.7	1.8	2.8	61.5	0.153	0.0034	240	304	7,700	300/D
	70(G)	2	1.5	1.8	2.8	61.5	0.268	0.0034	240	304	7,700	300/D
	150	2	1.9	2.0	3.0	68.0	0.124	0.0034	278	342	9,610	300/D
	95(G)	2	1.7	2.0	3.0	68.0	0.193	0.0034	278	342	9,610	300/D
	185	2	2.1	2.0	3.2	75.0	0.0991	0.0034	317	386	11,530	200/D
	95(G)	2	1.7	2.0	3.2	75.0	0.193	0.0034	317	386	11,530	200/D
	240	2	2.3	2.2	3.4	84.5	0.0754	0.0033	374	448	14,840	200/D
	120(G)	2	1.7	2.2	3.4	84.5	0.153	0.0033	374	448	14,840	200/D
	300	2	2.5	2.2	3.8	93.5	0.0601	0.0032	432	507	18,340	150/D
	150(G)	2	1.9	2.2	3.8	93.5	0.124	0.0032	432	507	18,340	150/D

Class of conductor
1:Solid
2:Strand

G: Ground conductor

C: Packing in coil

D: Packing in drum



450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Single Core : Size 1 mm ² up to 35 mm ² Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	:Maximum conductor temperature 70°C :Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Insulation	:Polyvinyl chloride (PVC/D)	Testing voltage	: 2,500 Volts
Core identification	Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey	Reference standard	:TIS 11 Part 101-2559, Table 7
Sheath	:Black polyvinyl chloride (PVC/ST5)	APPLICATION	
		For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
1	1	5	0.8	1.2	6.2	19.5	0.0127	13	42	100/C
	1.5	5	0.8	1.2	6.6	13.3	0.0111	16	50	100/C
	2.5	5	0.8	1.2	7.4	7.98	0.0092	25	63	100/C
	4	5	0.9	1.4	8.6	4.95	0.0084	30	93	100/C
	6	5	0.9	1.4	9.4	3.30	0.0071	39	120	100/C
	10	5	1.1	1.8	12.0	1.91	0.0068	51	210	500/D
	16	5	1.1	1.8	13.5	1.21	0.0050	73	280	500/D
	25	5	1.3	2.2	16.0	0.780	0.0048	97	420	500/D
	35	5	1.3	2.2	17.5	0.554	0.0041	140	540	500/D

Class of conductor 5 : Flexible

C: Packing in coil

D:Packing in drum

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Single Core : Size 1 mm ² up to 35 mm ² Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Insulation	:Polyvinyl chloride (PVC/D)	Testing voltage	: 2,500 Volts
Core identification	Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey	Reference standard	:TIS 11 Part 101-2559, Table 7
Sheath	:Black polyvinyl chloride (PVC/ST5)	APPLICATION	
		For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	1	5	0.8	1.2	9.6	19.5	0.0127	13	105	100/C
	1.5	5	0.8	1.4	11.0	13.3	0.0111	16	135	100/C
	2.5	5	0.8	1.4	12.5	7.98	0.0092	25	170	100/C
	4	5	0.9	1.6	14.5	4.95	0.0084	30	241	100/C
	6	5	0.9	1.6	16.0	3.30	0.0071	39	375	100/C
	10	5	1.1	1.8	20.0	1.91	0.0068	51	540	500/D
	16	5	1.1	2.2	23.0	1.21	0.0050	73	770	500/D
	25	5	1.3	2.4	27.5	0.780	0.0048	97	1,130	500/D
	35	5	1.3	2.6	31.0	0.554	0.0041	140	1,470	500/D

Class of conductor 5 : Flexible

C: Packing in coil

D:Packing in drum

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Single Core : Size 1 mm ² up to 35 mm ² Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Insulation	:Polyvinyl chloride (PVC/D)	Testing voltage	: 2,500 Volts
Core identification	Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey	Reference standard	:TIS 11 Part 101-2559, Table 7
Sheath	:Black polyvinyl chloride (PVC/ST5)	APPLICATION	
		For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
3	1	5	0.8	1.4	10.5	19.5	0.0127	11	130	100/C
	1.5	5	0.8	1.4	11.5	13.3	0.0111	14	160	100/C
	2.5	5	0.8	1.4	13.0	7.98	0.0092	21	200	100/C
	4	5	0.9	1.6	15.5	4.95	0.0084	26	291	100/C
	6	5	0.9	1.8	17.5	3.30	0.0071	34	420	100/C
	10	5	1.1	2.0	21.5	1.91	0.0068	47	684	500/D
	16	5	1.1	2.4	25.0	1.21	0.0050	63	960	500/D
	25	5	1.3	2.6	30.0	0.780	0.0048	83	1,420	500/D
	35	5	1.3	2.8	33.5	0.554	0.0041	102	1,860	500/D

Class of conductor 5 : Flexible

C: Packing in coil

D:Packing in drum

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Single Core : Size 1 mm ² up to 35 mm ² Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Insulation	:Polyvinyl chloride (PVC/D)	Testing voltage	: 2,500 Volts
Core identification	Single-core :Black 2 Cores :Blue and Brown 3 Cores :Brown, Black and Grey 4 Cores :Blue, Brown, Black and Grey	Reference standard	:TIS 11 Part 101-2559, Table 7
Sheath	:Black polyvinyl chloride (PVC/ST5)	APPLICATION	
		For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	

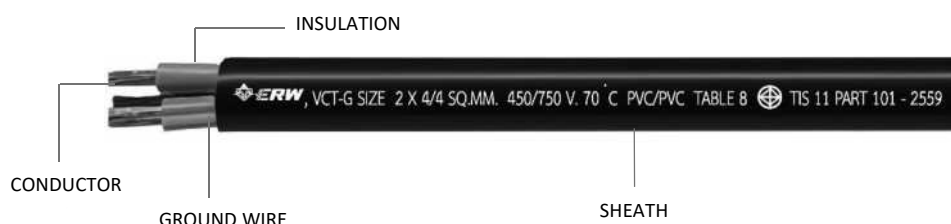
Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
4	1	5	0.8	1.6	12.0	19.5	0.0127	11	170	100/C
	1.5	5	0.8	1.6	12.5	13.3	0.0111	14	200	100/C
	2.5	5	0.8	1.6	15.0	7.98	0.0092	21	260	100/C
	4	5	0.9	1.8	17.0	4.95	0.0084	26	363	100/C
	6	5	0.9	2.0	19.5	3.30	0.0071	34	540	100/C
	10	5	1.1	2.2	24.0	1.91	0.0068	47	860	500/D
	16	5	1.1	2.6	28.0	1.21	0.0050	63	1,220	500/D
	25	5	1.3	2.8	33.0	0.780	0.0048	83	1,800	500/D
	35	5	1.3	3.1	37.0	0.554	0.0041	102	2,380	500/D

Class of conductor 5 : Flexible

C: Packing in coil

D:Packing in drum

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	:Maximum conductor temperature 70°C :Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Ground wire	:Flexible annealed copper Multi-cores : Size 1 mm ² up to 16 mm ²	Testing voltage	: 2,500 Volts
Insulation	:Polyvinyl chloride (PVC/D)	Reference standard	:TIS 11 Part 101-2559, Table 8
Core identification		APPLICATION	
2 Cores	:Blue and Brown	For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	
3 Cores	:Brown , Black and Grey		
4 Cores	:Blue, Brown, Black and Grey		
Ground core	:Green/Yellow		
Sheath	:Black polyvinyl chloride (PVC/ST5)		

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2+G	1	5	0.8	1.2	10.0	19.5	0.0127	13	120	100/C
	1(G)	5	0.8			19.5				
	1.5	5	0.8	1.4	12.0	13.3	0.0111	16	160	100/C
	1.5(G)	5	0.8			13.3				
	2.5	5	0.8	1.4	13.0	7.98	0.0092	25	200	100/C
	2.5(G)	5	0.8			7.98				
	4	5	0.9	1.6	15.5	4.95	0.0084	30	300	100/C
	4(G)	5	0.9			4.95				
	6	5	0.9	1.8	17.5	3.30	0.0071	39	420	100/C
	6(G)	5	0.9			3.30				
	10	5	1.1	2.0	21.5	1.91	0.0068	51	670	500/D
	10(G)	5	1.1			1.91				
	16	5	1.1	2.4	25.0	1.21	0.0050	73	960	500/D
	16(G)	5	1.1			1.21				
	25	5	1.3	2.6	28.5	0.780	0.0048	97	1,290	500/D
	16(G)	5	1.1			1.21				
	35	5	1.3	2.8	31.5	0.554	0.0041	140	1,610	500/D
	16(G)	5	1.1			1.21				

Class of conductor 5 : Flexible

G: Ground conductor

C: Packing in coil

D:Packing in drum

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	:Maximum conductor temperature 70°C :Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Ground wire	:Flexible annealed copper Multi-cores : Size 1 mm ² up to 16 mm ²	Testing voltage	: 2,500 Volts
Insulation	:Polyvinyl chloride (PVC/D)	Reference standard	:TIS 11 Part 101-2559, Table 8
Core identification		APPLICATION	
2 Cores	:Blue and Brown	For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	
3 Cores	:Brown , Black and Grey		
4 Cores	:Blue, Brown, Black and Grey		
Ground core	:Green/Yellow		
Sheath	:Black polyvinyl chloride (PVC/ST5)		

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
3+G	1	5	0.8	1.4	11.5	19.5	0.0127	11	160	100/C
	1(G)	5	0.8			19.5				
	1.5	5	0.8	1.4	12.5	13.3	0.0111	14	190	100/C
	1.5(G)	5	0.8			13.3				
	2.5	5	0.8	1.4	14.0	7.98	0.0092	21	250	100/C
	2.5(G)	5	0.8			7.98				
	4	5	0.9	1.8	17.0	4.95	0.0084	26	380	100/C
	4(G)	5	0.9			4.95				
	6	5	0.9	2.0	19.5	3.30	0.0071	34	540	100/C
	6(G)	5	0.9			3.30				
	10	5	1.1	2.2	24.0	1.91	0.0068	47	860	500/D
	10(G)	5	1.1			1.91				
	16	5	1.1	2.6	28.0	1.21	0.0050	63	1,220	500/D
	16(G)	5	1.1			1.21				
	25	5	1.3	2.8	33.0	0.780	0.0048	83	1,670	500/D
	16(G)	5	1.1			1.21				
	35	5	1.3	3.1	37.0	0.554	0.0041	102	2,110	500/D
	16(G)	5	1.1			1.21				

Class of conductor 5 : Flexible

G: Ground conductor

C: Packing in coil

D:Packing in drum

450/750 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED AND SHEATHED WITH GROUND, ROUND TYPE



CABLE STRUCTURE		TECHNICAL DATA	
Conductor	:Flexible annealed copper Multi-cores : Size 1 mm ² up to 35 mm ²	Classification	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 450/750 Volts 450 Volts between Line-to-Earth 750 Volts between Line-to-Line
Ground wire	:Flexible annealed copper Multi-cores : Size 1 mm ² up to 16 mm ²	Testing voltage	: 2,500 Volts
Insulation	:Polyvinyl chloride (PVC/D)	Reference standard	:TIS 11 Part 101-2559, Table 8
Core identification		APPLICATION	
2 Cores	:Blue and Brown	For mobile - electrical equipment used in mines, factories, farm or household appliances. This cable is suitable for use in places where cables come in contact with oils.	
3 Cores	:Brown , Black and Grey		
4 Cores	:Blue, Brown, Black and Grey		
Ground core	:Green/Yellow		
Sheath	:Black polyvinyl chloride (PVC/ST5)		

Number of core	Nominal cross sectional area (mm ²)	Class of conductor	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20° C maximum (Ω/km)	Insulation resistance at 70° C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
4+G	1	5	0.8	1.6	13.0	19.5	0.0127	11	200	100/C
	1(G)	5	0.8			19.5				
	1.5	5	0.8	1.6	14.0	13.3	0.0111	14	240	100/C
	1.5(G)	5	0.8			13.3				
	2.5	5	0.8	1.6	15.5	7.98	0.0092	21	310	100/C
	2.5(G)	5	0.8			7.98				
	4	5	0.9	1.8	18.5	4.95	0.0084	26	460	100/C
	4(G)	5	0.9			4.95				
	6	5	0.9	2.0	21.5	3.30	0.0071	34	650	100/C
	6(G)	5	0.9			3.30				
	10	5	1.1	2.2	26.5	1.91	0.0068	47	1,030	500/D
	10(G)	5	1.1			1.91				
	16	5	1.1	2.6	30.5	1.21	0.0050	63	1,480	500/D
	16(G)	5	1.1			1.21				
	25	5	1.3	2.8	36.5	0.780	0.0048	83	2,050	500/D
	16(G)	5	1.1			1.21				
	35	5	1.3	3.1	41.5	0.554	0.0041	102	2,630	500/D
	16(G)	5	1.1			1.21				

Class of conductor 5 : Flexible

G: Ground conductor

C: Packing in coil

D:Packing in drum