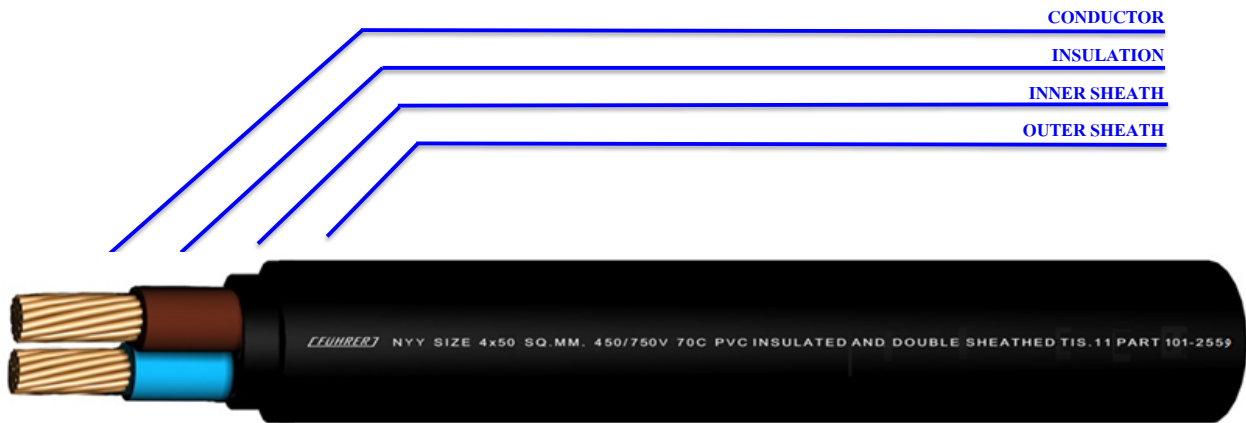


450/750 V 70°C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE



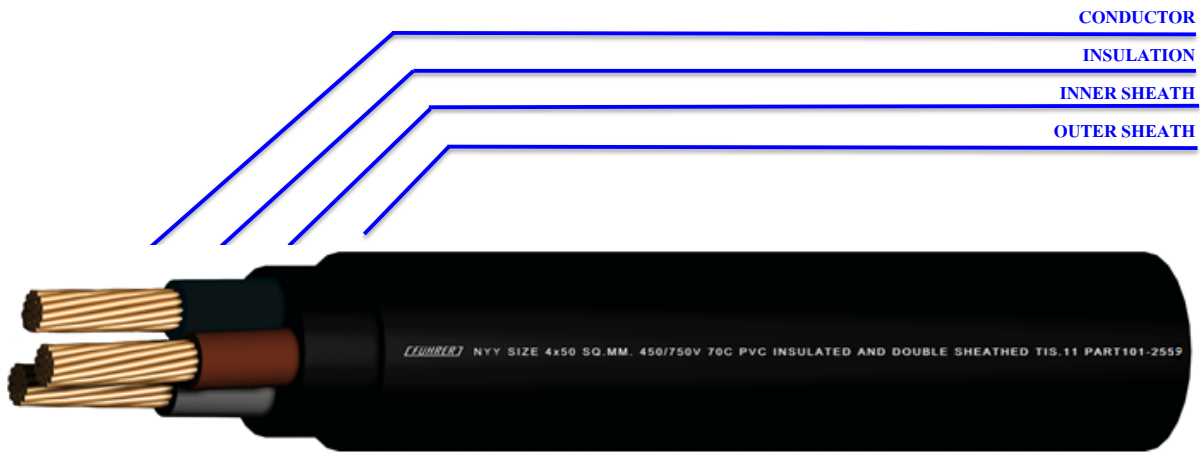
- CONDUCTOR :** Solid and Standard annealed copper  
Size 1.0 mm<sup>2</sup> up to 300 mm<sup>2</sup>
- INSULATION :** Polyvinyl chloride (PVC)  
Light Blue , Brown
- INNER SHEATH :** Polyvinyl chloride (Black colour)
- OUTER SHEATH :** Polyvinyl chloride (Black colour)
- CLASSIFICATION :** Maximum conductor temperature 70°C  
Circuit voltage not exceeding 750 volt
- TESTING VOLTAGE :** 2,500 VAC
- REFERENCE STANDARD :** TIS.11 PART 101-2559

Nominal Cross Sectional area (mm <sup>2</sup> )	Conductor		Thickness of Insulation (mm)	Thickness of Inner Sheath (mm)	Thickness of Outer Sheath (mm)	Overall diameter (mm) (Approx.)	Maximum continuous current rating (A)		Minimum insulation resistance at 70°C (MΩ-Km)	Cable weight (approx.) Kg/Km	Standard length (m)
	Number of wire (Min)	Diameter (mm) (Approx.)					on cable ladder	Under ground			
1	1	1.11	0.8	0.8	1.8	12.0	13	21	0.0141	160	100/C
1	7	1.29	0.8	0.8	1.8	12.5	13	21	0.0135	170	100/C
1.5	1	1.36	0.8	0.8	1.8	12.5	16	26	0.0123	180	100/C
1.5	7	1.59	0.8	0.8	1.8	13.0	16	26	0.0116	190	100/C
2.5	1	1.75	0.8	0.8	1.8	13.5	22	35	0.0102	220	100/C
2.5	7	2.01	0.8	0.8	1.8	14.0	22	35	0.0093	230	100/C
4	1	2.21	0.9	0.8	1.8	15.0	30	45	0.0094	280	100/C
4	7	2.55	0.9	0.8	1.8	15.5	30	45	0.0085	300	100/C
6	7	3.12	0.9	0.8	1.8	17.0	37	57	0.0073	370	100/C
10	7	3.98	1.1	0.8	1.8	19.5	52	76	0.0069	540	500/D
16	7	5.10	1.1	0.8	2.0	22.5	70	99	0.0057	740	500/D
25	7	6.33	1.3	1.2	2.0	27.0	88	128	0.0054	1120	500/D
35	7	7.60	1.3	1.2	2.0	29.5	110	154	0.0047	1420	500/D
50	19	8.83	1.5	1.2	2.2	33.5	133	181	0.0046	1850	500/D
70	19	10.58	1.5	1.5	2.2	38.0	171	223	0.0039	2500	500/D
95	19	12.50	1.7	1.5	2.2	42.5	207	267	0.0038	3300	500/D
120	37	14.07	1.7	1.5	2.4	46.5	240	304	0.0034	4010	500/D
150	37	15.61	1.9	1.8	2.6	52.0	278	342	0.0034	4970	300/D
185	37	17.50	2.1	1.8	2.8	57.0	317	386	0.0034	6110	300/D
240	37	20.07	2.3	2.0	3.0	64.0	374	448	0.0033	7900	300/D
300	61	22.50	2.5	2.0	3.2	70.5	432	507	0.0032	9690	200/D

**C:Packing in coil.**  
**D:Packing in drum.**



450/750 V 70°C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE



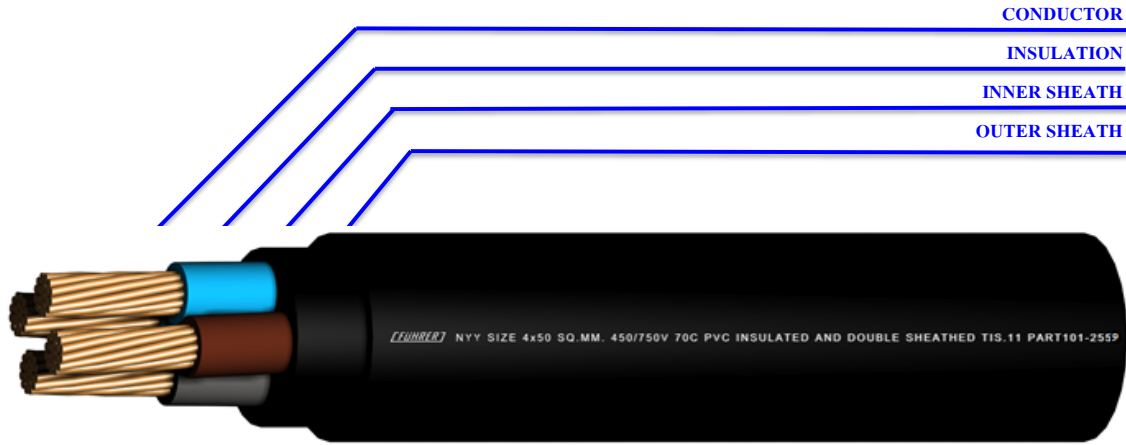
- |                       |  |                             |  |
|-----------------------|--|-----------------------------|--|
| <b>CONDUCTOR :</b>    | Solid and Standard annealed copper<br>Size 1.0 mm <sup>2</sup> up to 300 mm <sup>2</sup> | <b>CLASSIFICATION :</b>     | Maximum conductor temperature 70°C<br>Circuit voltage not exceeding 750 volt |
| <b>INSULATION :</b>   | Polyvinyl chloride (PVC)<br>Brown , Black , Grey   | <b>TESTING VOLTAGE :</b>    | 2,500 VAC  |
| <b>INNER SHEATH :</b> | Polyvinyl chloride (Black colour)  | <b>REFERENCE STANDARD :</b> | TIS.11 PART 101-2559   |
| <b>OUTER SHEATH :</b> | Polyvinyl chloride (Black colour)  |                             |  |

Nominal Cross Sectional area (mm <sup>2</sup> )	Conductor		Thickness of Insulation (mm)	Thickness of Inner Sheath (mm)	Thickness of Outer Sheath (mm)	Overall diameter (mm) (Approx.)	Maximum continuous current rating (A)		Minimum insulation resistance at 70°C (MΩ-Km)	Cable weight (approx.) Kg/Km	Standard length (m)
	Number of wire (Min)	Diameter (mm) (Approx.)									
							on cable ladder	Under ground			
1	1	1.11	0.8	0.8	1.8	12.5	13	21	0.0141	180	100/C
1	7	1.29	0.8	0.8	1.8	13.0	13	21	0.0135	190	100/C
1.5	1	1.36	0.8	0.8	1.8	13.0	16	26	0.0123	205	100/C
1.5	7	1.59	0.8	0.8	1.8	13.5	16	26	0.0116	220	100/C
2.5	1	1.75	0.8	0.8	1.8	14.0	22	35	0.0102	250	100/C
2.5	7	2.01	0.8	0.8	1.8	15.0	22	35	0.0093	270	100/C
4	1	2.21	0.9	0.8	1.8	15.5	30	45	0.0094	335	100/C
4	7	2.55	0.9	0.8	1.8	16.5	30	45	0.0085	360	100/C
6	7	3.12	0.9	0.8	1.8	18.0	37	57	0.0073	450	100/C
10	7	3.98	1.1	0.8	1.8	20.5	52	76	0.0069	660	500/D
16	7	5.10	1.1	1.2	2.0	24.5	70	99	0.0057	970	500/D
25	7	6.33	1.3	1.2	2.0	28.5	88	128	0.0054	1410	500/D
35	7	7.60	1.3	1.2	2.0	31.5	110	154	0.0047	1810	500/D
50	19	8.83	1.5	1.5	2.2	36.0	133	181	0.0046	2410	500/D
70	19	10.58	1.5	1.5	2.2	40.5	171	223	0.0039	3200	500/D
95	19	12.50	1.7	1.5	2.4	46.0	207	267	0.0038	4300	500/D
120	37	14.07	1.7	1.8	2.6	50.5	240	304	0.0034	5320	300/D
150	37	15.61	1.9	1.8	2.8	56.0	278	342	0.0034	6490	300/D
185	37	17.50	2.1	2.0	3.0	61.5	317	386	0.0034	8060	300/D
240	37	20.07	2.3	2.0	3.2	69.0	374	448	0.0033	10360	200/D
300	61	22.50	2.5	2.2	3.4	76.0	432	507	0.0032	12810	200/D

**C:Packing in coil.**

**D:Packing in drum.**





- CONDUCTOR :** Solid and Standard annealed copper  
Size 1.0 mm<sup>2</sup> up to 300 mm<sup>2</sup>
- INSULATION :** Polyvinyl chloride (PVC)  
Light Blue , Brown , Black , Grey
- INNER SHEATH :** Polyvinyl chloride (Black colour)
- OUTER SHEATH :** Polyvinyl chloride (Black colour)
- CLASSIFICATION :** Maximum conductor temperature 70°C  
Circuit voltage not exceeding 750 volt
- TESTING VOLTAGE :** 2,500 V. AC.
- REFERENCE STANDARD :** TIS.11 PART 101-2559

Nominal Cross Sectional area (mm <sup>2</sup> )	Conductor		Thickness of Insulation (mm)	Thickness of Inner Sheath (mm)	Thickness of Outer Sheath (mm)	Overall diameter (mm) (Approx.)	Maximum continuous current rating (A)		Minimum insulation resistance at 70°C (MΩ-Km)	Cable weight (approx.) Kg/Km	Standard length (m)
	Number of wire (Min)	Diameter (mm) (Approx.)									
							on cable ladder	Under ground			
1	1	1.11	0.8	0.8	1.8	13.5	13	21	0.0141	210	100/C
1	7	1.29	0.8	0.8	1.8	14.0	13	21	0.0135	220	100/C
1.5	1	1.36	0.8	0.8	1.8	14.0	16	26	0.0123	240	100/C
1.5	7	1.59	0.8	0.8	1.8	14.5	16	26	0.0116	260	100/C
2.5	1	1.75	0.8	0.8	1.8	15.0	22	35	0.0102	300	100/C
2.5	7	2.01	0.8	0.8	1.8	16.0	22	35	0.0093	320	100/C
4	1	2.21	0.9	0.8	1.8	17.0	30	45	0.0094	400	100/C
4	7	2.55	0.9	0.8	1.8	17.5	30	45	0.0085	440	100/C
6	7	3.12	0.9	0.8	1.8	19.0	37	57	0.0073	550	100/C
10	7	3.98	1.1	0.8	2.0	23.0	52	76	0.0069	840	500/D
16	7	5.10	1.1	1.2	2.0	26.5	70	99	0.0057	1200	500/D
25	7	6.33	1.3	1.2	2.0	31.0	88	128	0.0054	1760	500/D
35	7	7.60	1.3	1.5	2.2	35.0	110	154	0.0047	2360	500/D
50	19	8.83	1.5	1.5	2.2	39.5	133	181	0.0046	3020	500/D
70	19	10.58	1.5	1.5	2.4	44.5	171	223	0.0039	4090	500/D
95	19	12.50	1.7	1.8	2.6	51.5	207	267	0.0038	5580	300/D
120	37	14.07	1.7	1.8	2.8	56.0	240	304	0.0034	6800	300/D
150	37	15.61	1.9	2.0	3.0	62.0	278	342	0.0034	8360	300/D
185	37	17.50	2.1	2.0	3.2	68.0	317	386	0.0034	10310	200/D
240	37	20.07	2.3	2.2	3.4	76.5	374	448	0.0033	13350	200/D
300	61	22.50	2.5	2.2	3.8	85.0	432	507	0.0032	16500	200/D

C:Packing in coil.

D:Packing in drum.