60227 IEC 10 NYY 3 C

300/500 V. 70°C SOLID OR STRANDED CONDUCTOR
PVC INSULATED AND DOUBLE SHEATHED, 3 CORES

APPLICATION

For installation exposed or in raceway, wet or dry location.

TESTING VOLTAGE : 2,000 Volts

REFERENCE STANDARD :

TIS 11 PART 4-2553, TABLE 1

CABLE STRUCTURE

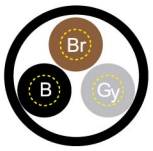
CONDUCTOR : Annealed Solid or Stranded Copper
CLASS 1 & 2 Size 1.5 - 35 mm²

INSULATION : Polyvinyl chloride type PVC/C

INNER SHEATHED : Polyvinyl chloride

OUTER SHEATHED : Polyvinyl chloride type PVC/ST4

CORE IDENTIFICATION :



CLASSIFICATION

Maximum Conductor Temperature : 70°C
Circuit Voltage does not exceed 300/500 Volts (Uo/U)
300 Volts between Line to Earth(Uo)
500 Volts between Line to Line (U)

Technical Data

TIS 11 PART 4-2553, TABLE 1

Nominal Cross Sectional Area	Conductor Type	Nominal Insulation Thickness	Inner Sheathed Thickness Approx.	Nominal Outer Sheathed Thickness	Overall Diameter		Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 70°C	Current Rating in Free Air	Cable Weight (Approx.)	Standard Packing
					Minimum	Maximum					
mm²	Class	mm	mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
1.5	1	0.7	0.4	1.2	8.0	10.5	12.1	0.0110	17	140	100/C
1.5	2	0.7	0.4	1.2	8.2	11.0	12.1	0.0100	17	150	100/C
2.5	1	0.8	0.4	1.2	9.2	12.0	7.41	0.0100	22	190	100/C
2.5	2	0.8	0.4	1.2	9.4	12.5	7.41	0.0090	22	210	100/C
4	1	0.8	0.4	1.2	10.0	13.0	4.61	0.0085	29	250	100/C
4	2	0.8	0.4	1.2	10.5	13.5	4.61	0.0077	29	270	100/C
6	1	0.8	0.4	1.4	11.5	14.5	3.08	0.0070	37	340	100/C
6	2	0.8	0.4	1.4	12.0	15.5	3.08	0.0065	37	370	100/C
10	1	1.0	0.6	1.4	14.0	17.5	1.83	0.0070	52	520	500/D
10	2	1.0	0.6	1.4	14.5	19.0	1.83	0.0065	52	570	500/D
16	2	1.0	0.8	1.4	16.5	21.5	1.15	0.0052	69	810	500/D
25	2	1.2	0.8	1.6	20.5	26.0	0.727	0.0050	92	1,200	500/D
35	2	1.2	1.0	1.6	22.0	29.0	0.524	0.0040	113	1,600	500/D

Conductor Class 1 : Solid
2 : Stranded

C : Packing in coil
D : Packing in drum