

Allowable current of wire

September. 2018

Allowable current(A)

ITEM : 0.6/1KV Flame-Retardant, polyvinyl chloride Insulated grounding Cable

Symbol : TFR-GV

Nominal cross-sectional area of conductor	Maximum allowable current with temperature correction factor applied(A)										
	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
1.5	21.4	20.5	19.6	18.6	17.5	16.5	15.2	13.8	12.4	10.7	8.8
2.5	29.3	28.1	26.9	25.4	24.0	22.6	20.9	19.0	17.0	14.6	12.0
4	39.0	37.4	35.8	33.9	32.0	30.1	27.8	25.3	22.7	19.5	16.0
6	50.0	48.0	45.9	43.5	41.0	38.5	35.7	32.4	29.1	25.0	20.5
10	69.5	66.7	63.8	60.4	57.0	53.6	49.6	45.0	40.5	34.8	28.5
16	92.7	88.9	85.1	80.6	76.0	71.4	66.1	60.0	54.0	46.4	38.0
25	123.2	118.2	113.1	107.1	101.0	94.9	87.9	79.8	71.7	61.6	50.5
35	152.5	146.3	140.0	132.5	125.0	117.5	108.8	98.8	88.8	76.3	62.5
50	184.2	176.7	169.1	160.1	151.0	141.9	131.4	119.3	107.2	92.1	75.5
70	234.2	224.6	215.0	203.5	192.0	180.5	167.0	151.7	136.3	117.1	96.0
95	283.0	271.4	259.8	245.9	232.0	218.1	201.8	183.3	164.7	141.5	116.0
120	328.2	314.7	301.3	285.1	269.0	252.9	234.0	212.5	191.0	164.1	134.5
150 ⁽¹⁾	419.7	402.5	385.3	364.6	344.0	323.4	299.3	271.8	244.2	209.8	172.0
185 ⁽¹⁾	478.2	458.6	439.0	415.5	392.0	368.5	341.0	309.7	278.3	239.1	196.0
240 ⁽¹⁾	562.4	539.4	516.3	488.7	461.0	433.3	401.1	364.2	327.3	281.2	230.5
300 ⁽¹⁾	646.6	620.1	593.6	561.8	530.0	498.2	461.1	418.7	376.3	323.3	265.0

■ Above values do not apply if you are installing in the ground.