

#33AWG SERIES

SPECIFICATIONS

Common Construction	Conductor		Insulation	
	Details	Size (mm ²)	Ov. Dia.(mm)	Material
	25/0.04A	0.0314mm ² (#33AWG)	0.60φ(0.0236")	Flexible PVC

Part No	Nos. of Conductor	Filler	Shield Served Shield	Jacket		Colour	Roll Size	Weight
				Ov. Dia.(mm)	Material			
2784	2	-	Approx. 38/0.08A	1.8φ(0.0709")	Flexible PVC	Black/Gray	305m (1,000Ft)	1.56kg
2754	3	-	Approx. 54/0.08A	1.95φ(0.0768")		Gray		2.05kg
2739	4	Polypropylene	Approx. 59/0.08A	2.1φ(0.0827")		Black/Gray		2.44kg
2780	5	Polypropylene	Approx. 70/0.08A	2.2φ(0.0866")		Black		2.85kg
2880	6	Polypropylene	Approx. 79/0.08A	2.5φ(0.0984")		Black		3.24kg

ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.	DC Resistance at 20°C		Flex Life (cycles)
	Inner Conductor	Shield Conductor	
2784	0.6 Ω/m (0.183Ω/Ft)	0.1Ω/m (0.0305Ω/Ft)	20,000
2754		0.07 Ω/m (0.021Ω/Ft)	36,000
2739		0.06Ω/m (0.0184Ω/Ft)	57,000
2780		0.054 Ω/m (0.0165Ω/Ft)	35,000
2880		0.048 Ω/m (0.0146Ω/Ft)	50,000

COMMON CHARACTERISTICS

Voltage Breakdown	Must Withstand at DC 250V/15sec.
Insulation Resistance	10 ³ MΩ · m Min. at DC 250V, 20°C
Tensile Strength(26°C, 65%RH)	8.3 N (per one core conductor)
Emigration	Non-Emigrant to ABS resin
Applicable Temperature	-20°C~+80°C (-4°F~+176 °F)

STANDARD COLOUR COMBINATION OF SHIELDED CORES

Nos. of Cores	1	2	3	4	5	6
Core Colour	White	White/Red	White/Red/ Black	White/Red/ Black/Yellow	White/Red/Black/ Yellow/Blue	White/Red/Black/ Yellow/Blue/Green
Exception	Part No. 2769	White/Yellow/Blue/Green				