



# Specification

## STATION WIRE 4 CONDUCTOR 22AWG CMG

### Description

1. Conductor	Material	Bare Copper
	Construction	1/0.61±0.015mm
2. Insulation	Material	HD-PE
	Thickness	MIN at any point : 0.13mm  MIN AVG : 0.155mm  MAX AVG : 0.175mm
	Diameter	0.96±0.04mm
	Colors	Red, Black, Yellow, Green
3. Jacket	Material	PVC (FT4 flame requirements)
	Thickness	MIN at any point : 0.32mm
	Diameter	3.1±0.2mm
	Color	Assorted upon request
	Printing	Assorted upon request
4. Packing	Pull-box	300m/box  (2400 Boxes/40HQ G.W. : 13440 KGS  Up to discharge port weight required)



UL # E356794



### Insulator & Electrical characteristics

Test subject	Insulation				Sheath
Material	PE		FRPE	SR-PVC	PVC
	LDPE	HDPE			
1. Room temperatur characteristic					
. Tensile strength(MIN.) Mpa	9.7	16.5	8.3	20.7	13.8
. lbf/in2	1400	2400	1200	300	2000
. kgf/mm2	0.99	1.69	0.85	2.11	1.41
. Coefficient of expansion(MIN.)(%)	350	300	300	100	100
2. Characteristic after heat					
. Temperature(°C)	100±2	100±2	100±2	113±2	100±2
. Day	2	2	2	7	10
. Rate of remain after aging(MIN.)(%)					
- Tensile strength(MIN.)(%)	75	75	75	70	85
- Coefficient of expansion(MIN.)(%)	75	75	75	70	50
3. Characterisitc of heat shrink					
. Temperature(°C)	115±2	115±2	115±2	-	-
. Hour	1	1	1	-	-
. Sample Length(mm)	150	150	150	-	-
. MAX shrink length(mm)	9.5	9.5	9.5	-	-
4. Characteristic of low temerature wrapping					
. Temperature(°C)	-17 ~ -22	-17 ~ -22	-17 ~ -22	-	-
. Hour	4	4	4	-	-
. Sample Length(mm)	6.35	6.35	6.35	-	-
. Number of wrapping test	5	5	5	-	-
. Result	no crack	no crack	no crack	-	-