

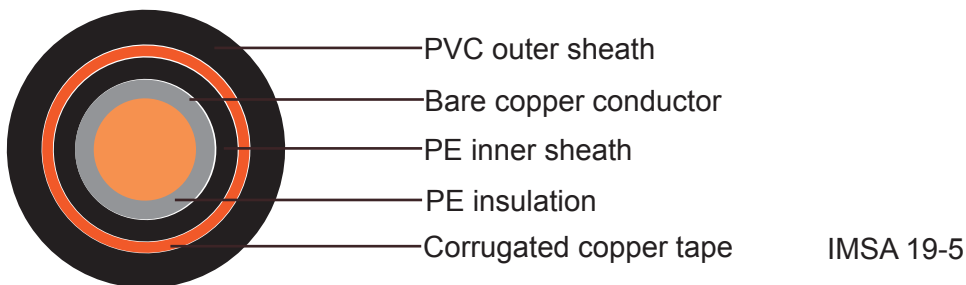


# IMSA 19-5/20-5(Traffic Signal Cable)

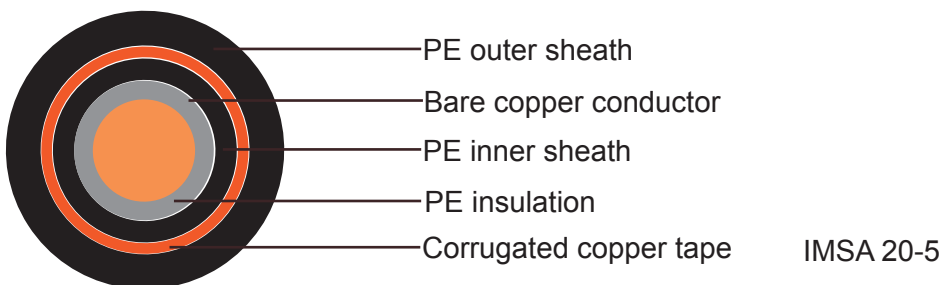
## Application

These cables are designed for use in severe service in underground conduit or as aerial cable supported by a messenger or for direct earth burial either as fire protective signaling cable or as a traffic signaling cable..

## Cable Construction



- **Conductor:** Solid bare copper per ASTM B-3(stranded copper is optional)
- **Insulation:** Polyethylene(PE)
- **Inner sheath:** Polyethylene(PE)
- **Shield:** Corrugated copper tape- 15% minimum overlap
- **Outer sheath:** IMSA 19-5-Black Polyvinyl chloride (PVC)/  
IMSA 20-5-Black Polyethylene(PE)





### Color Code

Conductor No.	Insulation Color	Stripe Color	Conductor No.	Insulation Color	Stripe Color
1	Black	–	14	Green	White
2	White	–	15	Blue	White
3	Red	–	16	Black	Red
4	Green	–	17	White	Red
5	Orange	–	18	Orange	Red
6	Blue	–	19	Blue	Red
7	White	Black	20	Red	Green
8	Red	Black	21	Orange	Green
9	Green	Black	22	Black	–
10	Orange	Black	23	White	–
11	Blue	Black	24	Red	–
12	Black	White	25	Green	–
13	Red	White			

### Temperature Rating

75°C

### Voltage Rating

600 V

### Cable Parameter

AWG	No. of Pairs	Solid or Stranded	Insulation Thickness		Inner Sheath thickness		Outer Sheath thickness		Overall Diameter		Cable Weight	
			inches	mm	inches	mm	inches	mm	inches	mm	Lbs./Kft	Kg/Km
14	4	Solid	0.030	0.76	0.045	1.14	0.06	1.52	0.57	14.48	168	250
14	7	Solid	0.030	0.76	0.045	1.14	0.06	1.52	0.63	16.00	205	305



# Highway Cables



## IMSA series

AWG	No. of Pairs	Solid or Stranded	Insulation Thickness		Inner Sheath thickness		Outer Sheath thickness		Overall Diameter		Cable Weight	
			inches	mm	inches	mm	inches	mm	inches	mm	Lbs./Kft	Kg/Km
14	12	Solid	0.030	0.76	0.045	1.14	0.06	1.52	0.78	19.81	345	513
12	4	Solid	0.025	0.64	0.045	1.14	0.06	1.52	0.63	16.00	194	289
12	7	Solid	0.025	0.64	0.045	1.14	0.06	1.52	0.75	19.05	289	430
12	12	Solid	0.025	0.64	0.045	1.14	0.06	1.52	0.94	23.88	468	696

