

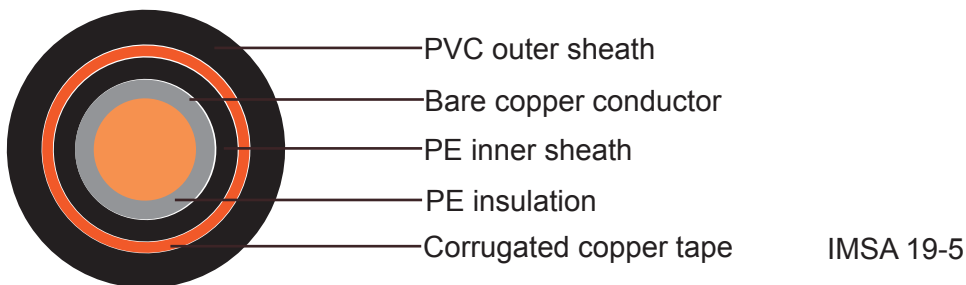


IMSA 19-5/20-5(Traffic Signal Cable)

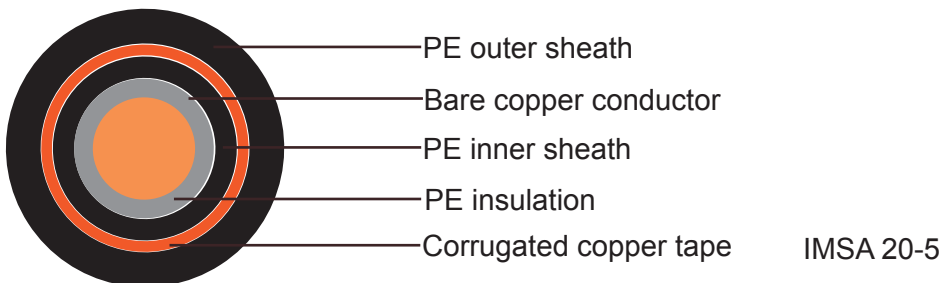
Application

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

