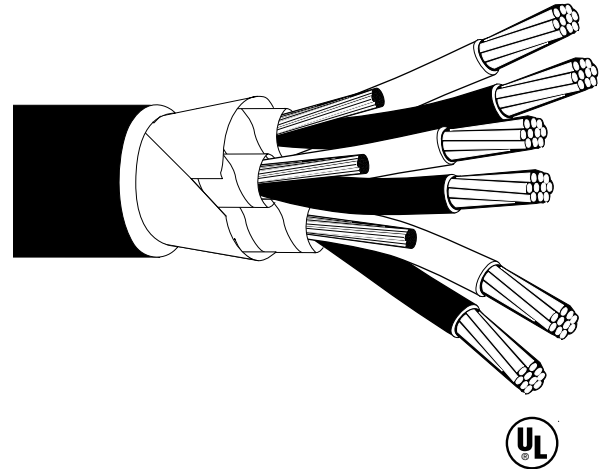


DIRECT BURIAL SIGNAL CABLE
INSULATION: POLYPROPYLENE
OUTER JACKET: POLYETHYLENE
SIZES: 3 PAIR, 20 AWG



1.0 SCOPE:

1.1 This specification covers construction requirements for a multi-paired cable designed to carry low voltage signals from remote moisture sensing devices back to central control equipment, utilizing 20 AWG stranded conductors, polypropylene insulation, each pair with aluminum polyester tape shielding and drain wire and having a direct burial sunlight resistant polyethylene jacket overall. Paige 180006.

2.0 CONSTRUCTION:

2.1	NO. OF PAIRS	SIZE (AWG)	STRANDS	INSULATION WALL
	3	20	10 X 30	.015 POLYPROPYLENE

2.2 Conductor:
Soft annealed coated copper conforming to ASTM B-33

2.3 Insulation:
Polypropylene conforming to ICEA S-61-402.

2.4 Cable Assembly:
Insulated conductors are twisted into pairs and then cabled together.

2.5 Color Coding:
Pair 1 - Black/Red
Pair 2 - Black/White
Pair 3 - Black/Green

2.6 Shielding:
.00235 aluminum polyester tape helically, wrapped over each pair offering 100% shielding.

2.7 Drain Wires:
A #20 AWG finned copper drain wire is laid in under the shield in contact with aluminum side, for each pair.

2.8 Jacket :
.040" black sunlight resistant polyethylene conforming to ICEA S-61-402.

2.9 O.D.:
.340" Nominal

2.10 Listing:
UL Listed as Underground Low Energy Circuit Cable. Rated for 30V.

2.11 Surface Print:
"Paige Electric P7195D 3 Pr. #20 AWG Ind Shd D/B"

