

System Cable Semi-Extruded Jacket

System Cable Products most popular constructions have the added feature of semi-extruded rather than tubed jackets. Semi-extruded jackets “mold” the conductors in place. This prevents the movement of the conductors under the jacket. When conductors move under their jacket, they can “cross-over” themselves. This creates a convolution or “high-spot” on the outer jacket. If compressed with a staple at this point a conductor fracture or “short” may occur.

Extruded jackets fit tightly over the conductors to prevent movement. This can create slightly more resistance when removing the jacket. To assure that the jacket never bonds to the conductor, Genesis uses polypropylene insulation. Polypropylene will not bond to PVC (the jacketing material). Furthermore, polypropylene is electrically superior to PVC.

Although extruded jacket cable constructions are more expensive to produce, they pay for themselves many times over in avoiding costly labor charges due to tracing “shorts” and replacing damaged cables.

