From its introduction in 1976 to the present day PARAFIL® rope has been providing first class service in supporting overhead contact wires for Light Rail, Tram and Trolley Bus transport systems.

The earliest commercial system, installed in 1976, continues to give trouble free performance in the summer heat and winter fog which is typical of the Italian city of Milan. One of the later systems is performing equally well in the crisp, cold and sometimes wet streets of Sheffield situated in the north of England. Other systems in the UK and Ireland include Manchester Metro, West Midlands, Croyden and Dublin. PARAFIL® is also used extensively through Europe in this application.

PARAFIL® consists of a densely packed core of high tenacity synthetic fibres laid in a parallel arrangement and encased in a black polyethylene sheath. Type A PARAFIL® has a Polyester core; Type F offers higher strength and modulus and utilises aramid fibre.

The primary advantages of PARAFIL® in these end uses are:

- PARAFIL® is a dielectric allowing ‘clean’ system design without the use of ceramic insulators
- PARAFIL® does not corrode and is highly resistant to environmental attack
- PARAFIL® is protected from UV degradation by its stabilised black Polyethylene sheath
- PARAFIL® exhibits excellent thermal stability • The smooth, low friction surface of PARAFIL® reduces the build up of pollutants and prevents icing
- PARAFIL® has excellent fatigue performance
- PARAFIL® has low creep