

Features and Benefits

Fibre pig-tails are used to terminate multifibre cables at user outlets or distribution frames. The pig-tail is a 2-metre length of tight buffer fibre, factory terminated at one end with a fibre connector and tested.

Installed by fusion or mechanical splicing. Molex Premise Networks recommends fusion splicing, which ensures lower attenuation compared with mechanical splices.

Commercial Standards

This fibre fulfils the requirements of:
 IEC 60793-2-10 Category A1a.2;
 EN 60793-2-10: type A1a.2;
 ITU Recommendation G.651;
 TIA/EIA-492AAAC;
 EN 50 173:2002 category OM3;
 ISO/IEC 11801:2002 category OM3;
 IEEE 802.3-2002. with amendment 802.3ae-2002;
 IEC 60793-1-XX:2002;
 EN 60793-1-XX:2002;
 FOTP-22- (DMD).

Technical Information

Mechanical Characteristics

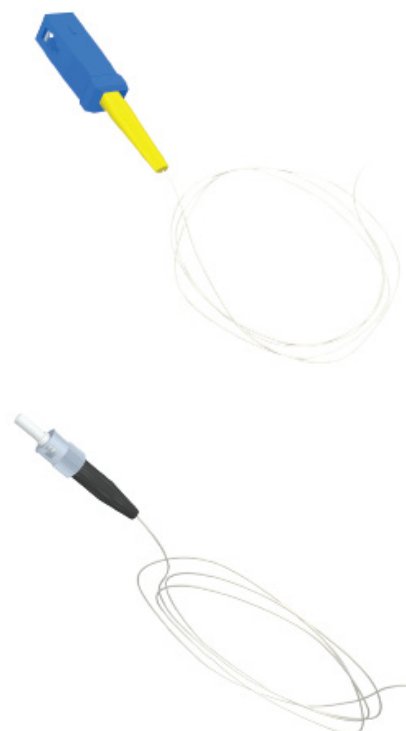
Length: 2.0m
 Weight: 5.0g

Connector
 MM ST/SC:
 Typical attenuation: 0.20dB
 Max attenuation: 0.35dB
 Return loss: -20dB

Electrical/Optical Characteristics

Germanium doped optic fibre
 Core size: $50\mu\text{m} \pm 2.5\mu\text{m}$
 Cladding diameter: $125\mu\text{m} \pm 2\mu\text{m}$
 Fibre size in the acrilan coating: $245\mu\text{m} \pm 10\mu\text{m}$
 Tight tube fibre size: $900\mu\text{m}$

Attenuation:
 850nm: $\leq 3.0 \text{ dB/km}$
 1300nm: $\leq 1.0 \text{ dB/km}$
 Bandwidth:
 850nm: $\geq 1500 \text{ MHz}\cdot\text{km}$
 1300nm: $\geq 500 \text{ MHz}\cdot\text{km}$
 Numerical aperture: $0.200\text{mm} \pm 0.015$



ORDERING INFORMATION

Order No.	SAP No.	Description
91.30.332.00200	Consult Molex	Fibre Optic Pigtail MM 50/125 OM3 SC, 2 m
91.10.332.00200	Consult Molex	Fibre Optic Pigtail MM 50/125 OM3 ST, 2 m

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