Ribbon fan-out Fiber Optic Pigtail

Ribbon fan-out pigtails are made of ribbon fiber optic cables. It is generally installed in closet area or horizontal patch extension from consolidation point to the workstation outlets. Ribbonized fibers are primary coated fibers placed next to each other in one plane. An acrylate coating or polyester tape keeps the fibers together. The fiber is flat type. Most common are 4-, 8- and 12-fiber ribbon cable. Ribbon pigtails use a special device to protect the separated optic fibers(for example 12 cores),through connectors to accomplish links with other cables.

Ribbon fan-out pigtails generally have two types：jacket ribbon fan-out pigtails and bare ribbon fan-out pigtails. Jacket ribbon fan-out pigtails have outer jacket on fiber ribbon. Bare ribbon fan-out pigtails have no outer jacket and generally protected by transparent tube.

Complied with or exceeds Standard

- ITU-T G652.D
- ITU-T G657.A
- ITU-T G651.1 OM1 OM2 OM3 OM4
- IEC60793-2-10   type A1a.1/A1b OM1/OM2
- IEC60793-2-10   type A1a.2 OM3
- IEC60793-2-10   type A1a.3 OM4
- ISO/IEC 11801 , ISO/IEC 24702
- IEEE 802.3z Gigabit Ethernet
- ANSI/TIA/EIA 568C.3
- ANSI/TIA/EIA-455B
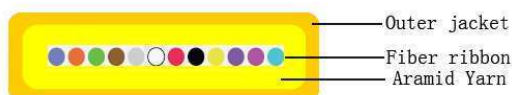- ROHS Compliant Directive 2011/65/EU(ROHS2.0)

Features

- Top quality ceramic ferrule
- Top quality fiber cable
- Low insertion loss and high return loss
- UPC, APC or PC polish
- With a fan out kit at the junction of fibers
- The fiber is flat type.
- Good exchangeability, Good durability

Cable structure

The ribbon cable is flat. The jacket ribbon fiber cable includes:
fiber ribbon, aramid yarn and outer jacket.
Bare ribbon fiber cable has no outer jacket.
Drawing:

Outer jacket
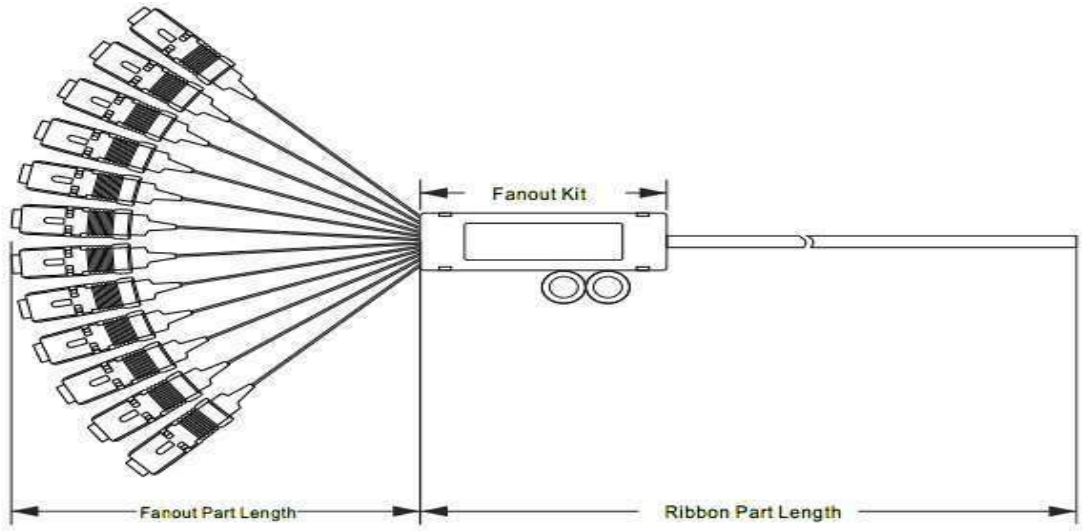Fiber ribbon
Aramid Yarn

Fan-out kit type

According to fiber counts and fan-out tubing,
there are several different types of fan-out kit.
Fan-out tubing diameter can be 0.9mm or 2.0mm.

Sales Catalog of HNK Telecommunication Products
Fiber Optic Pigtail

Specification

ITEM	Value
Fiber Type	OS2, OM1, OM2, OM3, OM4
Fiber Count	2,4,6,8,12
Cable Type	Bare ribbon, Jacket ribbon
Fanout tubing diameter	0.9mm,2.0mm
Connector	SC, LC, ST, FC, MU, MTRJ, E2000, DIN, D4, SMA905
Jacket Type	PVC, LSZH
Insertion Loss	<=0.2dB
Return Loss*	UPC>=50dB, APC>=60dB, PC>=35dB
Repeatability (dB)	<=0.2 (1000 times)
Exchangeability (dB)	<=0.2
Operating temperature	-40 ° C ~ 85 ° C
Storage temperature	-40 ° C ~ 85 ° C

*UPC≥55dB, APC≥65dB on request.   All connectors are inspected visually at 400X

Ordering Information

Using the available configurations amend/create product codes using the formula below.

Part Number：   RPT-AA-BB-CDEFG

Ordering Guide

AA	BB	C	D	E	F	G
connector Type	Fiber Type	Fiber Count	Pigtail Length	Fanout Cable OD	Fanout Cable Length	Jacket Type
FP,SP,SA,LP (As noted in Connector type code chart)	OM1=62.5/125 OM1 OM2=50/125 OM2 OM3=50/125 OM3 OM4=50/125 OM4 G652D=9/125 G652D G657A=9/125 G657A	2F=2 Cores 4F=4 Cores 8F=8 Cores 12F=12 Cores	05=5M 20=20M	09=0.9mm 20=2.0mm	05=0.5M 10=1M	1=PVC 2=LSZH

Ordering Sample

Part Number	Description
RPT-SP-G652D-12F1009051	SC/PC Singlemode G652D 12 Cores Ribbon Fan-out Fiber Optic Pigtail,10M. Fanout Cable OD 09 mm, Length 0.5M, PVC Jacket.