

## 1310nm/1550nm WDM Coupler



### Applications

- Usable for PON (Passive Optical Network)
- Video signals distribution in optical CATV

### Descriptions

DW201-1315 is the compact WDM fused fiber coupler for combining 1310 nm and 1550 nm signals and suitable for application to Passive Optical Networks.

### Features

- For combining 1310nm and 1550nm signal
- Small insertion loss fluctuation
  - Low wavelength dependent loss
  - Low polarization dependent loss
  - Low temperature dependent loss
- High reliability. (Telcordia GR-1209, GR-1221 Qualified)

### Specifications

Parameter		Specification
Configuration		1 x 2
Operating Wavelength		1290 ~ 1330 nm and 1530 ~ 1570 nm
Operating Temperature		-10 ~ +70 °C
Storage Temperature		-40 ~ +85 °C
Insertion Loss (dB)	@ Center wavelength	≤ 0.2
	@ Operating wavelength	≤ 0.5
Wavelength Isolation (dB)	@ Center wavelength	≥ 20
	@ Operating wavelength	≥ 13
Polarization Dependent Loss (dBp-p)	1310nm port	≤ 0.15
	1550nm port	≤ 0.2
Temperature Dependent Loss (dBp-p)		≤ 0.1
Size	φ0.25mm fiber type	Φ3 x L53mm
	φ0.9mm loose tube type	Φ3 x L60mm
	φ2mm cable type	φ6.5 x L82mm

\*Not including connectors in all specifications

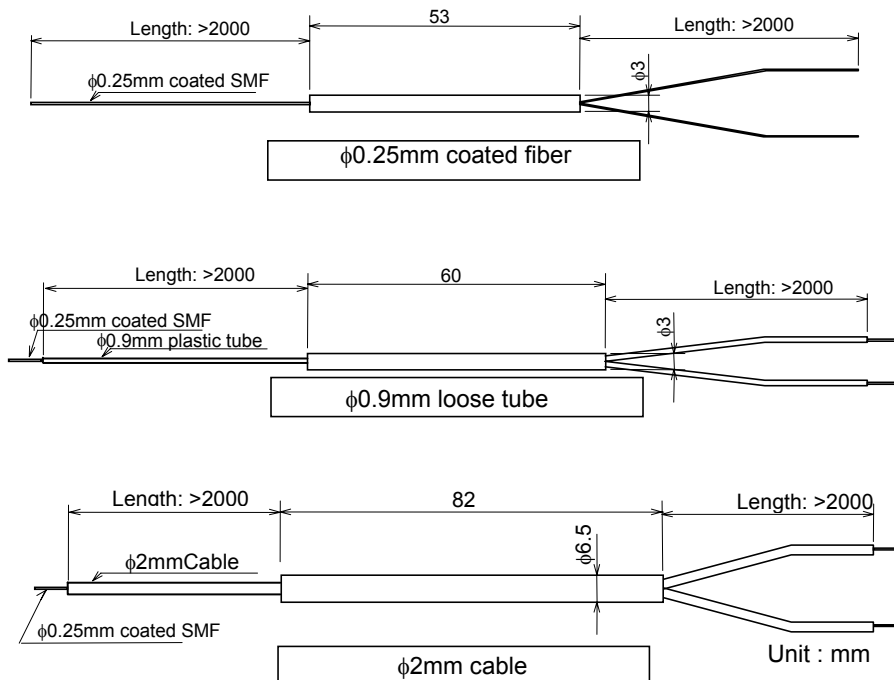
# Data Sheet

## DW201-1315 Series

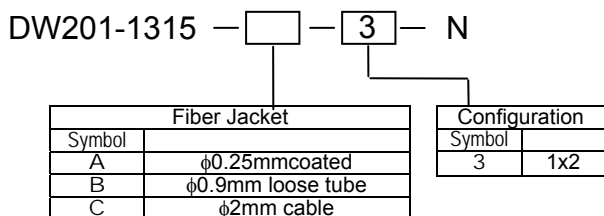
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### Outline drawing



### Ordering Information



\*Note: If you need other option of this product (Ex, with Optical connector etc...), please contact us.

Furukawa Electric reserves the right to improve, enhance and modify the features and specifications of FITELE products without prior notifications.



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