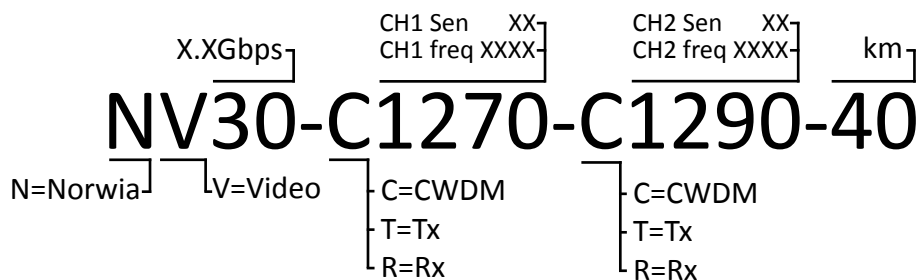


# Choosing the right SFP for your application

Norwia recommends that you survey the fiber infrastructure that you intent to use, the reason being is there can be many hidden factors that can hinder the distance obtainable. As we move to higher bandwidths these factors are amplified. The specifications below give a good estimate but by no means eliminate the needs to perform certain checks when purchasing a fiber optic system. Full specifications can found in the Norwia SFP and Optic guide.



## 1 Channel Tx



3G-SDI	HD-SDI	Model	Output power	Laser type
0-10km	0-20km	NV30-T1310-10	-2dBm (±2dB)	F-P
0-10km	0-20km	NV30-T1310-T1310-10	-2dBm (±2dB)	F-P
0-40km	0-80km	NV30-T1310-T1310-40	0dBm (+3dB/-0dB)	DFB
0-50km	0-80km	NV30-T1550-T1550-50	0dBm (+3dB/-0dB)	DFB

## 2 Channel Tx (WDM)



3G-SDI	HD-SDI	Model	Output power	Laser type
0-40km	0-70km	NV30-T1310-T1550-40	0dBm (+3dB/-0dB)	DFB

## Multi Channel Tx (CWDM)

3G-SDI	HD-SDI	Model	Output power	Laser type
0-40km	0-70km	NV30-C1270-C1290-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1310-C1330-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1350-C1370-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1390-C1410-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1470-C1490-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1510-C1530-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1550-C1570-40	0dBm (+3dB/-0dB)	DFB
0-40km	0-70km	NV30-C1590-C1610-40	0dBm (+3dB/-0dB)	DFB

## Receivers

3G-SDI	HD-SDI	Model	Sensitivity	Laser type
0-50km	0-50km	NV30-R20	-20dBm	PIN
0-50km	0-50km	NV30-R20-R20	-20dBm	PIN
0-80km	0-80km	NV30-R28	-28dBm	APD

## Transceivers

3G-SDI	HD-SDI	Model	Output power/ Sensitivity	Laser type
0-10km	0-20km	NV30-T1310-R20-10	-2dBm ( $\pm$ 2dB) / -20dBm	PIN/F-P

