



## FIBRE OPTIC, MULTIMODE 50/125

### OPTICAL FIBRE SPECIFICATION:

#### Transmission Performance

	CONDITIONS	SPECIFIC VALUE	UNITS
Typical attenuation (1)	850nm	3.0	dB/KM
	1300nm	1.0	dB/KM
MIN bandwidth (MHz/km)	850nm	200	
	1300nm	500	
Numerical aperture		0.275± 0.015	
Chromatic dispersion		FDDI Spec	

All NETWAY™ multimode fibre meet the requirement of EN187000, IEC 60794-1 and TIA/EIA 568 for qw maximum attenuation  $\leq 3.5$ dB /KM at 850nm and  $\leq 1.5$ dB/KM at 1300nm wavelength. The modal bandwidth is linearly normalised to 1KM according to IEC 60793-2.

#### Geometrical Characteristics

	SPECIFIC VALUE	UNITS
Core diameter	50±2.5	µm
Core non-circularity	$\leq 6.0$	%
Core / Cladding concentricity error	$\leq 1.5$	µm
Cladding diameter	125.0 ± 2.0	µm
Cladding non-circularity	$\leq 1.0$	%
Coating diameter	245 ± 10	µm
Coating non-circularity	$\leq 6.0$	%
Coating concentricity error	$\leq 12.5$	µm

#### Environmental & Mechanical Characteristics

	CONDITIONS	SPECIFIC VALUE	UNITS
Temperature dependance	1310nm, 1550nm	$\leq 1.0$	dB/KM
Induced attenuation	Neg 60 to Positif 85°C		
Coating Strip Force	Typical average force	1.4	N

#### 1 Year Product Warranty

NETWAY warrants all its optical cable product to be free from defects in material and workmanship for a period of one(1)year from the factory shipment date.If a breach of warranty occurs, NETWAYshall promptly repair or replace the defective goods at no cost to the customer within the warranty period after investigation. All costs incidental to repairing or replacing defective goods including, but not limited to removal, disassembly and reinstallation, shall be borne by customer.

#### Limitation Of Liability

The warranties do not cover the repair or replacement of any goods which fail as a result of damage in transit, misuse, neglect, accident, Act of god, Improper handling, improper storage, excessive stress, Faulty or improper installation,