



HCS Newsletter

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HCS Century™ Lifetime Warranty Program Supports 40Gbps & 100Gbps Applications



Following the ratification of the latest IEEE P802.3ba amendment (June 2010) HCS updated its unique Century™ Lifetime Warranty program to include the highest LAN data-rates applications available today. The updated list of supported applications now includes the following new protocols:

Applications	Medium or Light Source	Distance	DataLight 62.5/125µ OM1&OM2 MM FO	DataLight 50/125µ OM1&OM2 MM FO	DataLight 50/125µ OM3 MM FO	DataLight 50/125µ OM4 MM FO	DataLight 9/125µ OS1 SM FO	DataLight 9/125µ OS2 SM FO
40GBASE-LR4	1310nm Laser	10Km	NO	NO	NO	NO	YES	YES
40GBASE-SR4	850nm VCSEL	125m	NO	NO	NO	YES	NO	NO
40GBASE-SR4	850nm VCSEL	100m	NO	NO	YES	YES	NO	NO
40GBASE-CR4	QSFP(*)	7m	N/A	N/A	N/A	N/A	N/A	N/A
40GBASE-KR4	Backplane	1m	N/A	N/A	N/A	N/A	N/A	N/A
100GBASE-ER4	1550nm Laser	40Km	NO	NO	NO	NO	NO	YES
100GBASE-LR4	1310nm Laser	10Km	NO	NO	NO	NO	YES	YES
100GBASE-SR10	850nm VCSEL	125m	NO	NO	NO	YES	NO	NO
100GBASE-SR10	850nm VCSEL	100m	NO	NO	YES	YES	NO	NO
100GBASE-CR10	QSFP	7m	N/A	N/A	N/A	N/A	N/A	N/A

(*) QSFP: *Quad Small Form-factor Pluggable copper assemblies made with parallel-pair twinaxial cables available from Molex.*

The list of [HCS DataLight Fiber Options](#) has been updated to include the OM3 & OM4 fibers long time ago so the updated list of supported applications now provides our customers formal warranty and peace of mind.

Presently data-rates above 10Gbps over 100m are supported only by optical fibers but in the last years constant efforts spearheaded by [Penn State University](#) are aimed to prove that 40GBASE-T can be achieved using existing twisted-pair cables and connectors conforming to CAT 7A limits.

The IEEE has not started yet any activity but it seems reasonable that sooner or later 40GBASE-T will become a reality.

When this happens, HCS will be ready to support it with its ETL Verified DataLink 1000 CAT 7A cables, DataLink 1200 outlets and DataLink 1200 modular cords.

For detailed information on HCS products please browse the [HCS Online Catalog](#) or contact us at [HCS Istanbul](#).

HCS is the No.1 Turkish supplier of high-performance fiber optic and twisted pair LAN Cabling Systems.

HCS – HES Cabling Systems

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